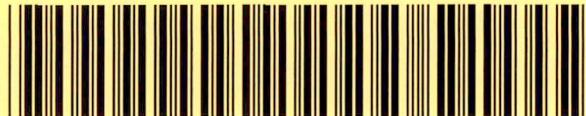


\*229IHSSF3061\*



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Site Name PETRO EXPRESS #31

DocumentType Site Assessment Rpt (SAR)

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AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY

**PETRO EXPRESS # 31      (THE PANTRY # 3948)**

**131 Turnersburg Highway (Highway 21)  
Statesville, N.C.**

**Iredell County**



Professional Services, P.C.

NC DEPT. OF ENVIRONMENT  
AND NATURAL RESOURCES  
RECEIVED

NOV 07 2007

## LIMITED SITE ASSESSMENT

### A. Site Information

#### 1. Site Identification

MOORESVILLE REGIONAL OFFICE  
DIVISION OF WASTE MANAGEMENT

DATE OF REPORT: October 31, 2007 UST Incident Number (if known): 36310  
Facility I.D.: 0-036008  
Site Name: Petro Express #31 (DBA The Pantry #3948)  
Site Location: 131 Turnersburg Highway  
City/Town: Statesville, North Carolina County: Iredell  
Description of Geographical Data Point: Property Center  
Location Method: Topographic  
Latitude: N 35.80961° Longitude: W 80.87594°

#### 2. Information about Contacts Associated with the Leaking UST System

UST Owner: The Pantry, Inc.  
Address: Post Office Box 1410, Sanford, North Carolina 27330 Phone: (919) 774-6700

UST Operator: The Pantry, Inc.  
Address: Post Office Box 1410, Sanford, North Carolina 27330 Phone: (919) 774-6700

Property Owner: LP National Retail Properties  
Address: 450 South Orange Ave., Suite 900, Orlando, Florida 32801 Phone:

Property Occupant: The Pantry, Inc.  
Address: Post Office Box 1410, Sanford, North Carolina 27330 Phone: (919) 774-6700

Consultant/Contractor: SEI Professional Services, P.C.  
Address: 130 Penmarc Drive, Suite 108, Raleigh, North Carolina 27603 Phone: (919) 832-2535

Analytical Laboratory: Accutest Laboratories Southeast  
Address: 4405 Vineland Rd, Suite C-15, Orlando, Florida 32811 State Certification No. 573  
Phone: (407) 425-6700

#### 3. Information about Release

Date Discovered: March 5, 2007

Estimated Quantity of Release: Unknown

Cause of Release: UST system

Source of Release (e.g., Dispenser/Piping/UST): USTs

Sizes and contents of UST system(s) from which the release occurred: (1) 32,000-gallon gasoline dual compartment (20,000/12,000) and (1) 12,000-gallon triple compartment (4,000-kerosene/4,000-diesel/4,000-racing fuel)

Complete and include in Report items A through J in the order listed.

I, Chris L. Boggs, P.G., Licensed Geologist (License # 1418) for SEI Professional Services, P.C., do certify that the information contained in this report is correct and accurate to the best of my knowledge.

Chris L. Boggs, P.G.

(Please Affix Seal)

SEI Professional Services, P.C. is licensed to practice geology in North Carolina. The certification number of the company is 248.

## B. Risk Characterization

Submit the following questionnaire in its entirety. Answer all questions completely. Attach additional pages as needed to fully explain answers. Base answers/explanations on information known or required to be obtained during the Limited Site Assessment.

**NOTE:** *Source area means point of release from a UST system.*

### Limited Site Assessment Risk Classification and Land Use Form

#### Part I – Groundwater/Surface Water/Vapor Impacts

##### High Risk

1. Has the release contaminated any water supply well including any well used for non-drinking purposes?  YES/NO
2. Is a water supply well used for drinking water located within 1,000 feet of the source area of the release?  YES/NO
3. Is a water supply well not used for drinking water (e.g., irrigation, washing cars, industrial cooling water, filling swimming pools) located within 250 feet of the source area of the release?  YES/NO
4. Does groundwater within 500 feet of the source area of the release have the potential for future use (there is no other source of water supply other than the groundwater)?  YES/NO  
City water is supplied to the subject site and is available within 500 feet.
5. Do vapors from the release pose a threat of explosion because of accumulation of the vapors in a confined space or pose any other serious threat to public health, public safety or the environment?  YES/NO

If yes, describe

6. Are there any other factors that would cause the release to pose an imminent danger to public health, public safety, or the environment?  YES/NO  
If yes, describe.

##### Intermediate Risk

7. Is a surface water body located within 500 feet of the source area of the release?  YES/NO  
Fourth Creek, a Class C waters, is located approximately 150 feet north.  
If YES, does the maximum groundwater contaminant concentration exceed the surface water quality standards and criteria found in 15A NCAC 2B .0200 by a factor of 10?  YES/NO  
The 2B surface water quality for a Class C waters for benzene is 71.4 micrograms per liter ( $\mu\text{g}/\text{L}$ ). Benzene groundwater concentration is 344  $\mu\text{g}/\text{L}$ , which is less than 10 times the 2B standard.
8. Is the source area of the release located within an approved or planned wellhead protection area as defined in 42 USC 300h-7(e)?  YES/NO  
If yes, describe.
9. Is the release located in the Coastal Plain physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985?  YES/NO  
If YES, is the source area of the release located in an area in which there is recharge to an unconfined or semi-confined deeper aquifer that is being used or may be used as a source of drinking water?  YES/NO  
If YES, describe.
10. Do the levels of groundwater contamination for any contaminant exceed the gross contamination levels (see Table 9) established by the Department?  YES/NO

## Part II - Land Use

### **Property Containing Source Area of Release**

The questions below pertain to the property containing the source area of the release.

1. Does the property contain one or more primary or secondary residences (permanent or temporary)?

YES  NO

Describe.

2. Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly?

YES  NO

Describe.

3. Does the property contain a commercial (e.g., retail, warehouse, office/business space, etc.) or industrial (e.g., manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped?

YES  NO

Describe.

Retail gasoline and convenience store

4. Do children visit the property?

YES  NO

Explain.

Children visit the property for short periods while accompanying parents who are visiting the site.

Is access to the property reliably restricted consistent with its use (e.g., by fences, security personnel or both)?

YES  NO

Explain.

The property is active and does not require restricted access.

Do pavement, buildings, or other structures cap the contaminated soil?

YES  NO

Describe.

The parking lot is asphalt and concrete.

If yes, what mechanisms are in place or can be put into place to ensure that the contaminated soil will remain capped in the foreseeable future?

The property is likely to remain a retail store requiring paved parking.

5. What is the zoning status of the property?

The site is zoned B-4 Business.

6. Is the use of the property likely to change in the next 20 years?

YES  NO

Explain.

The site will likely remain an active retail store of some type.

### **Property Surrounding Source Area of Release**

The questions below pertain to the area within 1,500 feet of the source area of the release (excludes property containing source area of the release):

1. What is the distance from the source area of the release to the nearest primary or secondary residence (permanent or temporary)?

The nearest primary residence is located approximately 400 feet northwest.

2. What is the distance from the source area of the release to the nearest school, daycare center, hospital, playground, park, recreation area, church, nursing home or other place of public assembly?

There are hotels located within 500 feet. The nearest school is located approximately 2,000 feet southwest.

3. What is the zoning status of properties in the surrounding area?

Adjacent properties to the north and south are zone B-4 business, to the east B-3 business and R-5MF Residential, and to the west B-5 Business.

4. Briefly characterize the use and activities of the land in the surrounding area.

The property is border to the north by Fourth Creek with a Chili's Restaurant beyond, to the northeast by a Wachovia Bank, to the east by Fourth Creek, to the southeast by a Hess gas station, to the south by a Sagebrush Restaurant, to the southwest by a Sakura Restaurant, to the west by a Sleep Inn, and to the northwest by a private residence. Within ½-mile of the subject property, five leaking underground storage tank incidents were reported. The closest reported offsite incidents are incident number 9497 (Fast Phil's #11) and incident number 6717 (Gulf / BP #24160), both located approximately 1,600 feet south.

#### C. Receptor Information

1. Water Supply Wells

There is one unused water supply well reported approximately 450 feet northwest. The water supply well is not connected and the residence is connected to public water (mandatory). The well is merely left over from before mandatory public water connection. Table B-5 summarizes water supply well information and Appendix B includes the water supply well survey forms.

2. Public Water Supplies

Are public water supplies available within 1,500 feet of the source area of the release? **YES/NO**  
If yes, where is the location of the nearest public water lines and the source(s) of the public water supply.(indicate on map)

The City of Statesville supplies water to the subject site and surrounding residents. Connection to city water is mandatory. The City of Statesville gets its water from Lookout Shoals and the Yadkin River..

3. Surface Water

Identify all surface water bodies (e.g., ditch, pond, stream, lake, river) within 1,500 feet of the source area of the release. This information must be shown on the USGS topographic map.

The nearest surface water is Fourth Creek, a Class C waters, located approximately 150 north and Morrison Creek, a tributary of Fourth Creek, located approximately 800 feet west of the source.

4. Wellhead Protection Areas

Identify all planned or approved wellhead protection areas (e.g., ditch, pond, stream, lake, river) within 1,500 feet of the source area of the release. This information must be shown on the USGS topographic map. Wellhead protection areas are defined in 42 USC 300h-7(e).

No approved or planned wellhead protection areas were noted within 1,500 feet.

5. Describe Deep Aquifers in the Coastal Plain Physiographic Region (refer to page 19 of the guidelines):

The subject site is not within the Coastal Plain Physiographic Region.

6. Describe Subsurface Structures (refer to page 19 of the guidelines):

There were no basements noted. Subsurface utilities are common in this area.

7. Property Owners and Occupants

Attach Table B-6, listing the names and addresses of property owners and occupants within or contiguous to the area containing contamination and all property owners and occupants within or contiguous to the area where the contamination is expected to migrate.

Table 6 summarizes property owners and occupants contiguous to the subject property.

#### D. Site Geology and Hydrogeology

Describe the soil and geology encountered at the site. Discuss the effects of soil and geological characteristics on the migration and attenuation of contaminants. Include information obtained during assessment activities (e.g., lithologic descriptions made during drilling, probe surveys, tank closure, etc). If a Phase II investigation is required include a discussion of groundwater flow direction and hydraulic gradient (vertical and horizontal).

The subject property is within the Charlotte and Milton Belts of the Inner Piedmont rocks of North Carolina. According to the Geologic Map of North Carolina (Brown, et al., 1985), the dominant rock type is biotite gneiss and schist which is characterized by inequigranular and mega cryptic abundant potassic feldspar and garnet, interlayered and gradational with calc-silicate rock, silimanite-mica schist, mica schist, and amphibolite. Also contains small masses of granitic rock.

During the installation of monitoring well MW-1, soil samples were collected every five feet. The soil encountered while performing the soil boring was primarily pea gravel to approximately ten feet below land surface (bls), weathered rock to approximately eighteen feet bls, clay and weathered rock to approximately twelve feet bls, and bedrock from approximately twelve to thirty feet bls.

Groundwater was encountered at approximately nineteen feet bls. Groundwater elevation data is included in Table B-8.

#### **E. Sampling Results**

##### Phase I and Phase II Investigation

1. Describe all soil sampling performed during the installation of the source well(s) (use maps and tables whenever possible).

On September 25, 2007, during the installation of monitoring well MW-1, three (MW-1 (5'), MW-1 (10), and MW-1 (13.5')) soil samples were collected. The samples were placed into laboratory supplied, clean containers, sealed with a Teflon lined cap, placed in an iced cooler, and maintained at 4°C. The soil samples were submitted under chain-of-custody procedures to Accutest Laboratories, Southeast in Orlando, Florida, for laboratory analysis. The soil samples were analyzed by EPA methods 8260 and 8270 and MADEP methods VPH and EPH.

Petroleum constituents were not detected at concentrations above the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (MSCC) in all three soil samples collected. Benzene, toluene, ethylbenzene, total xylenes, MTBE, and naphthalene were not detected at concentrations above laboratory detection limits. Tables B-3A and B-3B summarize current and historical soil sample analytical results. Figure 4 presents a site map showing soil sample analytical results. A copy of the laboratory report and chain-of-custody form is included in Appendix C.

2. Describe any groundwater sampling from the source area monitoring well(s). Use maps and tables whenever possible.

On September 27, 2007, groundwater monitoring well MW-1 was sampled. Prior to sampling, the monitoring well was gauged with an electronic oil/water interface probe to measure depth to water and to detect any free product. Free product was not detected in the monitoring well. The monitoring well was purged prior to sampling by removing a minimum of three well volumes of water, or until the well went dry. After allowing sufficient time for recharge, representative groundwater samples were collected using new, disposable Teflon® bailers. Samples were placed into laboratory supplied containers, sealed and labeled, maintained at 4° Celsius and submitted under proper chain-of-custody procedures to Accutest Laboratories, Southeast in Orlando, Florida for analysis. The groundwater samples were analyzed by EPA methods 601, 602 (with IPE and MTBE), 504.1 for EDB, and 625 BNA + TICs, MADEP methods VPH & EPH, and standard method 3030c for lead.

Laboratory analytical results indicated that petroleum constituents were detected at concentrations above 5A NCAC 2L standards. Monitoring well MW-1 contained concentrations of benzene (344 µg/L) and naphthalene (28.3 µg/L) above 15A NCAC 2L standards. In addition, monitoring well MW-1 contained concentrations of 2-methylphenol (4.2 µg/L) and 3,4-Methylphenol (1.4µg/L) for which there is not an established limit. Table B-4 summarizes groundwater laboratory analytical results. Figure 4 presents a site map showing soil and groundwater sample analytical results. A copy of the laboratory reports and chain-of-custody forms is included in Appendix C.

3. Monitoring well construction information

On September 25, 2007, a type II groundwater monitoring well (MW-1) was installed to a depth of thirty feet bls and completed with twenty feet of 2 inch Schedule 40 PVC casing and ten feet of 0.010-inch slot PVC screen. The annulus of the type II well was filled with a sand filter pack to two feet above the top of the screened interval. A two-foot thick bentonite seal was placed above the sand filter pack and hydrated with water. The remaining well bore was filled with grout to the surface. The well was completed flush to grade with a locking cap, watertight seal, and a bolt-down manhole. Table B-7 summarizes monitoring well construction information. A Monitoring Well Construction Record is included in Appendix A.

**F. Conclusions and Recommendations**

Discuss the risk criteria that apply to the release and identify any other site-specific factors related to the release that may pose a risk to human health and the environment. Also, discuss any site-specific conditions or possible actions that could result in lowering the level of risk posed by the release.

The subject property is zoned B-4 Business and potential future use indicates that it will most likely remain at that status. A 1,500-foot radius potable well search was performed and revealed on unused water supply well approximately 450 feet northwest. The well is not connected and the residence has public water. The well is left over from prior to mandatory public water connection. The City of Statesville supplies public water to the site and the surrounding area and connection is mandatory. The nearest surface water is Fourth Creek, a Class C waters, located approximately 150 feet north of the source area.

Laboratory results indicate that the soil did not contain soil contaminant concentrations above Soil-to-Groundwater MSCCs. Laboratory results indicated a concentrations of benzene (344 µg/L) and naphthalene (28.3 µg/L) above the 15A NCAC 2L standards.

This site does not qualify for high risk status, however, it does potentially qualify for intermediate risk status due to the proximity of Fourth Creek, a Class C waters. Benzene is the only petroleum constituent for which there is a 15A NCAC 2B surface water standard for Class C waters. The benzene surface water quality standard for benzene is 71.4 µg/L. To qualify for intermediate risk status, groundwater contaminant concentrations must exceed 15A NCAC 2B Class C surface water standards by a factor of ten, or 714 µg/L for benzene. As measured groundwater contaminant concentrations at the source area are 344 µg/L, this site would not qualify for an intermediate risk ranking.

Based on the information presented above, the subject site should be ranked low risk with Residential land use. SEI Professional Services, P.C. recommends that this incident be granted a Notice of No Further Action upon completion of a Notice of Residual Petroleum (NORP) for groundwater only.

**G. Free Product Investigation/Recovery (if applicable)**

If free product is still present or is discovered during the limited site assessment, continue or begin free product recovery immediately in accordance with 15A NCAC 2N. 0705 and submit an up-to-date Free Product Recovery Report (Report B-4).

Free product was not detected on site during the limited site assessment activities.

**H. Site History:**

Petro Express #31 (DBA The Pantry #3948) is an active retail fuel and convenience store located at 131 Turnersburg Highway (NC Highway 21) in Statesville, Iredell County, North Carolina. The site currently contains one 32,000-gallon gasoline dual compartment (20,000-gallon/12,000-gallon) and one

12,000-gallon triple compartment (4,000-gallon kerosene / 4,000-gallon diesel / 4,000-gallon racing fuel) underground storage tanks (UST) located in the northeast corner of the property. Table B-1 summarizes UST information.

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On April 5, 2007, The Pantry, Inc. acquired the UST system from Petro Properties, LLC and Petro Express, LLC, the apparent owner and operator, respectively, from installation on June 30, 1999. Table B-2 summarizes UST Owner/Operator and Specifics Information. Table B-1 summarizes UST information.

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There are no historical UST, releases, or spills reported for this site. The site (called Elliott's Old Fashion Ice Cream) historically contained four (550-gallon used oil, 550-gallon fuel oil, and two 8,000-gallon gasoline) USTs that were reportedly installed in 1968 and removed in February 1997. The UST removal was assigned Incident #27234 and subsequently was granted a Notice of No Further Action on April 30, 1997. The historically USTs were located in the southwest corner of the property, approximately 200 feet up gradient of the current USTs. Table B-1 summarizes UST information.

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A release was suspected due to volatile organic vapors detected in an observation well during the March 5, 2007, Phase II Environmental Site Assessment for real estate transaction. On April 2, 2007, a 24-Hour Release and UST Leak Reporting Form was submitted to the State. A June 4, 2007, Notice of Regulatory Requirements requested a Site Check. On July 12, 2007, SEI Professional Services, P.C. submitted a Site Check Report recommending a Limited Site Assessment. On September 24, 2007, Limited Site Assessment Activities were initiated.

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**I. Figures (Please attach the following figures)**

- FIGURE 1      USGS Quadrangle Map
- FIGURE 2      Vicinity Map
- FIGURE 3      Site Map
- FIGURE 4      Soil and Groundwater Laboratory Analytical Results

**J. Other Information (Please attach the following information)**

**TABLES**

- TABLE B-1      Site History – UST System Information
- TABLE B-2      Site History – UST Owner/Operator Information
- TABLE B-3 A      Current Soil Sample Analytical Results
- TABLE B-3 B      Historical Soil Sample Analytical Results
- TABLE B-4      Groundwater Sample Analytical Results
- TABLE B-5      Public and Private Water Supply Well and Other Receptor Information
- TABLE B-6      Property Owners/Occupants
- TABLE B-7      Monitoring Well Construction Summary
- TABLE B-8      Groundwater Elevation Data

**APPENDICES**

- APPENDIX A      Boring Logs and Well Construction Records
- APPENDIX B      Water Supply Well Surveys
- APPENDIX C      Laboratory Analytical Reports

TABLE B-1

Site History UST System Information									
<b>Petro Express #31 (DBA The Pantry #3948)</b> <b>131 Turnersburg Highway</b> <b>Statesville, Iredell County, North Carolina</b> <b>Facility ID Number: 0-036008</b> <b>Incident Number: 36310</b> <b>SEI Project Number: 507045</b>									
UST ID Number	Current/Last Contents	Previous Contents	Capacity (gallons)	Construction Details	Tank Dimensions (feet)	Description of Associated Piping and Pumps	Date Tank Installed	Status of UST	Was Release Associated With UST System? (Y/N)
1A	Gasoline	None	20,000	dual - fiberglass	10.5 X 53	fiberglass	06/30/1999	Active	Y
1B	Gasoline	None	12,000	dual- fiberglass		fiberglass	06/30/1999	Active	Y
2A	Diesel	None	4,000	tri - fiberglass	8 X 32	fiberglass	06/30/1999	Active	Y
2B	Kerosene	None	4,000	tri - fiberglass		fiberglass	06/30/1999	Active	Y
2C	Gasoline	None	4,000	tri - fiberglass		fiberglass	06/30/1999	Active	Y
1	Used Oil	None	550	steel	3.5 X 6	steel	1968	02/1997	N*
2	Fuel Oil	None	550	steel	3.5 X 6	steel	1968	02/1997	N*
3	Gasoline	None	8,000	steel	8 X 21.5	steel	1968	02/1997	N*
4	Gasoline	None	8,000	steel	8 X 21.5	steel	1968	02/1997	N*
AST ID Number	Current/Last Contents	Previous Contents	Capacity (gallons)	Construction Details	Tank Dimensions	Description of Associated Piping and Pumps	Date Tank Installed	Status of UST	Was Release Associated With UST System? (Y/N)
There are no ASTs on this site.									

\*Clean closure NFA April 30, 1997

**TABLE B-2**

<b>Site History UST Owner/Operator Information</b>	
Petro Express #31 (DBA The Pantry #3948)	
131 Turnersburg Highway	
Statesville, Iredell County, North Carolina	
Facility ID Number: 0-036008	
Incident Number: 36310	
SEI Project Number: 507045	

<b>UST ID Number</b>	1A & 1B (dual compartment)	<b>Facility ID Number</b>	0-014712
<b>Name of Owner/Operator (Both)</b>		<b>Dates of Operation (mm/dd/yy to mm/dd/yy)</b>	
The Pantry, Inc.		04/05/2007 to Present	
<b>Street Address</b>			
P. O. Box 1410 (The Pantry #3948)			
<b>City</b>	<b>State</b>	<b>Zip</b>	<b>Telephone Number</b>
Sanford	NC	27330	(919) 774-6700
<b>Name of Owner</b>		<b>Dates of Operation (mm/dd/yy to mm/dd/yy)</b>	
Petro Properties, LLC		06/30/1999 to 04/05/2007	
<b>Street Address</b>			
P.O. Box 240606			
<b>City</b>	<b>State</b>	<b>Zip</b>	<b>Telephone Number</b>
Charlotte	NC	28224-0606	(704) 525-4850
<b>Name of Operator</b>		<b>Dates of Operation (mm/dd/yy to mm/dd/yy)</b>	
Petro Express, Inc.		06/30/1999 to 04/05/2007	
<b>Street Address</b>			
P.O. Box 240606 (Petro Express #31)			
<b>City</b>	<b>State</b>	<b>Zip</b>	<b>Telephone Number</b>
Charlotte	NC	28224-0606	(704) 525-4850

<b>UST ID Number</b>	2A, 2B, & 2C (tri-compart.)	<b>Facility ID Number</b>	0-014712
<b>Name of Owner/Operator (Both)</b>		<b>Dates of Operation (mm/dd/yy to mm/dd/yy)</b>	
The Pantry, Inc.		04/05/2007 to Present	
<b>Street Address</b>			
P. O. Box 1410 (The Pantry #3948)			
<b>City</b>	<b>State</b>	<b>Zip</b>	<b>Telephone Number</b>
Sanford	NC	27330	(919) 774-6700
<b>Name of Owner</b>		<b>Dates of Operation (mm/dd/yy to mm/dd/yy)</b>	
Petro Properties, LLC		06/30/1999 to 04/05/2007	
<b>Street Address</b>			
P.O. Box 240606			
<b>City</b>	<b>State</b>	<b>Zip</b>	<b>Telephone Number</b>
Charlotte	NC	28224-0606	(704) 525-4850
<b>Name of Operator</b>		<b>Dates of Operation (mm/dd/yy to mm/dd/yy)</b>	
Petro Express, Inc.		06/30/1999 to 04/05/2007	
<b>Street Address</b>			
P.O. Box 240606 (Petro Express #31)			
<b>City</b>	<b>State</b>	<b>Zip</b>	<b>Telephone Number</b>
Charlotte	NC	28224-0606	(704) 525-4850

TABLE B-3A

Current Soil Sample Analytical Results																	
Analytical Method					EPA Method 8260					MADEP VPH & EPH							
Contaminant of Concern					Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	C5-C8 Aliphatics (mg/kg)	C9-C12 Aliphatics (mg/kg)	C9-C18 Aliphatics (mg/kg)	Cl9-C36 Aliphatics (mg/kg)	C9-C10 Aromatics (mg/kg)	C-11-C22 Aromatics (mg/kg)		
Sample ID	Date Collected	Source Area	Sample Depth (feet)	Incident Phase	LSA	<0.0056	<0.0056	<0.0056	<0.017	<0.0056	<4.7	<3.4	<6.8	<6.8	<1.2	<6.8	
MW-1	09/25/07	Kero. Disp.	5	<0.0062		<0.0062	<0.0062	<0.019	<0.0062	<4.9	2.35	<7.9	<7.9	0.983	8.56		
			10	<0.0061		<0.0061	<0.0061	<0.018	<0.0061	<4.4	<3.2	<7.2	<7.2	1.86	<7.2		
			13.5														
Soil-to-Groundwater MSCCs				0.0056	7.3	4.6	5.0	0.92	72	3,300	CI	34					
Residential MSCCs				18	3,200	1,560	3,129	213	939	9,386	93,860	469					
Industrial/Commercial MSCCs				164	82,000	40,000	81,760	1,908	24,528	245,280	245,280	12,264					

mg/kg – milligrams per kilogram

Bold denotes concentrations above the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (MSCC)

TABLE B-3B

Historical Soil Sampling Results						
Petro Express #31 (DBA The Pantry #3948) 131 Turnersburg Highway Statesville, Iredell County, North Carolina Facility ID Number: 0-036008 Incident Number: 36310 SEI Project Number: 507045						
Analytical Method						EPA Method 8015
Contaminant of Concern						
Sample ID	Date Collected	Source Area	Sample Depth (feet)	Incident Phase	MicoFID (ppm)	5030 GRO (mg/kg)
SB-1	06/26/07	T	0-4	SC	48.3	<4.2
			4-8		16.1	
			8-12		8.4	
SB-2	06/26/07	T	0-4	SC	69.3	<3.5
			4-8		27.9	
			8-12		14.7	
SB-3	06/26/07	T	0-4	SC	8.3	
			4-8		7.7	
			8-12		21.7	<6.4
SB-4	06/26/07	T	0-4	SC	18.4	
			4-8		38.8	<4.8
			8-12		15.6	
SB-5	06/26/07	T	0-4	SC	60.1	<4.3
			4-8		31.3	
			8-12		2.8	
SB-7	06/26/07	T	0-4	SC	66.5	<5.1
			4-8		27.3	
			8-9		4.8	
SB-8	06/26/07	T	0-4	SC	5.8	
			4-8		10	<4.4
			8-10		5.8	
SB-9	06/26/07	T	0-4	SC	0	
			4-8		0	
			8-12		1.6	<14
SB-10	06/26/07	T	0-4	SC	30.6	
			4-8		42.6	<4.2
			8-11.5		5.5	
SB-11	06/26/07	T	0-4	SC	72	
			4-8		493	<5.6
			8-12		48.3	
			13		40.2	

TABLE B-3B (continued)

Historical Soil Sampling Results						
Petro Express #31 (DBA The Pantry #3948)						
131 Turnersburg Highway						
Statesville, Iredell County, North Carolina						
Facility ID Number: 0-036008						
Incident Number: 36310						
SEI Project Number: 507045						
Analytical Method						EPA Method 8015
Contaminant of Concern						
Sample ID	Date Collected	Source Area	Sample Depth (feet)	Incident Phase	MicroFID (ppm)	5030 GRO (mg/kg)
SB-12	06/26/07	T	0-4	SC	72.2	
			4-8		30.8	
			8-12		27.3	
			12-16		86.3	<4.7 <8.3
SB-13	06/26/07	T	3	SC	657	<6.6 20.4
NC Reportable Concentration						10 10

ppm – parts per million

mg/kg – milligrams per kilogram

Bo'ld denotes concentrations above the NC Reportable Concentration

TABLE B-4

## Groundwater Sample Analytical Results

Petro Express #31 (DBA The Pantry #3948)  
 131 Turnersburg Highway  
 Statesville, Iredell County, North Carolina  
 Facility ID Number: 0-036008  
 Incident Number: 36310  
 SEI Project Number: 507045

Analytical Method			EPA Methods 601/602							504.1	3030c
Contaminant of Concern			Benzene (ng/L)	Toluene (ng/L)	Ethylbenzene (ng/L)	Total Xylenes (ng/L)	Naphthalene (ng/L)	MTBE (ng/L)	IPEx (ng/L)	EDB (ng/L)	Lead (ng/L)
Sample ID	Date Collected	Incident Phase									
MW-1	09/27/07	LSA	344	216	33.8	280	28.3	81.1	14.7	<0.0096	<5.0
2L Standards			1.0	1,000	550	530	21	200	70	0.0004	15
10 x 2L Standards			10	10,000	5,500	5,300	210	2,000	700	0.004	150
GCLs			5,000	257,500	84,500	87,500	15,500	200,000	70,000	50	15,000

µg/L - micrograms per liter

Bold denotes concentration is greater than the 15A NCAC 2L Standard

GCL - Gross Contamination Level

TABLE B-4 (continued)

Groundwater Sample Analytical Results							
Petro Express #31 (DBA The Pantry #3948) 131 Turnersburg Highway Statesville, Iredell County, North Carolina Facility ID Number: 0-036008 Incident Number: 36310 SEI Project Number: 507045							
Analytical Method			EPA Method 601		EPA Method 625		
Contaminant of Concern	Sample ID	Date Collected	Incident Phase	Chloroform ( $\mu\text{g/L}$ )	Methylene Chloride ( $\mu\text{g/L}$ )	2-Methylphenol ( $\mu\text{g/L}$ )	3&4 Methylphenol ( $\mu\text{g/L}$ )
MW-1	09/27/07	LSA		1.6	1.5	4.2	1.4
<b>2L Standards</b>				<b>70</b>	<b>4.6</b>	NE	NE
<b>10 x 2L Standards</b>				<b>700</b>	<b>46</b>	NE	NE
<b>GCLs</b>				<b>70,000</b>	<b>4,600</b>	NE	NE
						2.6	9.0
						300	21
						3,000	210
						300,000	15,500

 $\mu\text{g/L}$  - micrograms per liter

Bold denotes concentration is greater than the 15A NCAC 2L Standard

GCL - Gross Contamination Level

NE – Not Established

TABLE B-4 (continued)

Groundwater Sample Analytical Results								
Petro Express #31 (DBA The Pantry #3948) 131 Turnersburg Highway Statesville, Iredell County, North Carolina Facility ID Number: 0-036008 Incident Number: 36310 SEI Project Number: 507045								
Analytical Method			MADEP Method VPH & EPH					
Contaminant of Concern			C5-C8 Aliphatics (µg/L)	C9-C12 Aliphatics (µg/L)	C9-C18 Aliphatics (µg/L)	C19-C36 Aliphatics (µg/L)	C9-C10 Aromatics (µg/L)	C-11-C22 Aromatics (µg/L)
Sample ID	Date Collected	Incident Phase						
MW-1	09/27/07	LSA	875	696	537	<190	437	<190
2L Standards			420	4,200	42,000	210		
10 x 2L Standards			4,200	42,000	420,000	2,100		
GCLs			NE	NE	NE	NE	NE	

µg/L - micrograms per liter

Bold denotes concentration is greater than the 15A NCAC 2L Standard

GCL - Gross Contamination Level

NE - Not Established

TABLE B-5

## Public and Private Water Supply Well and Other Receptor Information

Petro Express #31 (DBA The Pantry #3948)

131 Turnersburg Highway

Statesville, Iredell County, North Carolina

Facility ID Number: 0-036008

Incident Number: 36310

SEI Project Number: 507045

Well #	Well Owner	Address	Phone Number	Well Use	Well Depth (feet bbls)	Type of Well	Well Casing Depth (feet bbls)	Well Screen Interval (feet bbls)	Distance from source area of release (feet)	Cardinal Direction from release	Up or Down Gradient
WW-1 (115 Hillside Ln)	Lloyd D. Hinson	846 Mock Mill Rd, Statesville, NC 28677	UNK	Unused	UNK	UNK	UNK	UNK	450	NW	UP*

\* WSW is located on the other side of Fourth Creek identified below. The well is not connected and the residence is connected to public water (mandatory).

## Public and Private Water Supply Well and Other Receptor Information

Petro Express #31 (DBA The Pantry #3948)

131 Turnersburg Highway

Statesville, Iredell County, North Carolina

Facility ID Number: 0-036008

Incident Number: 36310

SEI Project Number: 507045

Receptor ID	Description	Location	Contact	Phone Number	Usage	Cardinal Direction from release	Distance from source area of release (feet)	Up or Down Gradient
1	Fourth Creek	Turnersburg Hwy	unk	unk	Creek	North	150	Down
2	Morrison Creek	Pump Station Road	unk	unk	Creek	West	800	Down

**TABLE B-6**

<b>Property Owners/Occupants</b>			
<b>Petro Express #31 (DBA The Pantry #3948)</b>			
131 Turnersburg Highway Statesville, Iredell County, North Carolina			
Facility ID Number: 0-036008 Incident Number: 36310 SEI Project Number: 507045			
<b>Parcel ID# 4745</b>	<b>Property Address</b>	<b>Property Owner/ Mailing Address</b>	<b>Tenant</b>
(Sub) 35-6163	131 Turnersburg Hwy	National Retail Properties, LP 450 S Orange Ave, Suite 170, Orlando, FL 32801	The Pantry #3948
(1) 34-6886	117 Turnersburg Hwy	Statesville Food Systems, Inc., PO Box 260888, Plano, TX 75026	Sagebrush Rest.
(2) 34-3319	707, 711, & 725 Gaither Rd	West & Finch Corp., PO Box 751, Statesville, NC 28687	Sakura Restaurant
(3) 34-3678	125 Turnersburg Hwy	Hotel Systems, Inc., PO Box 26187, Charlotte, NC 28221	Sleep Inn
(4) 34-3996	115 Hillside Ln	Lloyd D. Hinson, 846 Mock Mill Rd, Statesville, NC 28677	Private Residence
(5) 35-6163	149 Turnersburg Hwy	LCG Statesville, LLC, 1850 Sidewinder Dr., 2 <sup>nd</sup> Floor, Park City, UT, 84060	Chili's Restaurant
(6) 44-0879	140 Turnersburg Hwy	First Union National Bank of NC, PO Box 36246, Charlotte, NC 28236	Wachovia Bank
(7) 44-0710	unaddressed	WWMD Properties, 1829 Shoreham Dr., Charlotte, NC 28211	Creek
(8) 34-9646	122 Turnersburg Hwy	AT Williams Oil Co., 1829 Shoreham Dr., Charlotte, NC 28211	Hess Gas Station
(9) 34-9560	unaddressed	WWMD Properties, 1829 Shoreham Dr., Charlotte, NC 28211	Chinese Restaurant

**TABLE B-7**

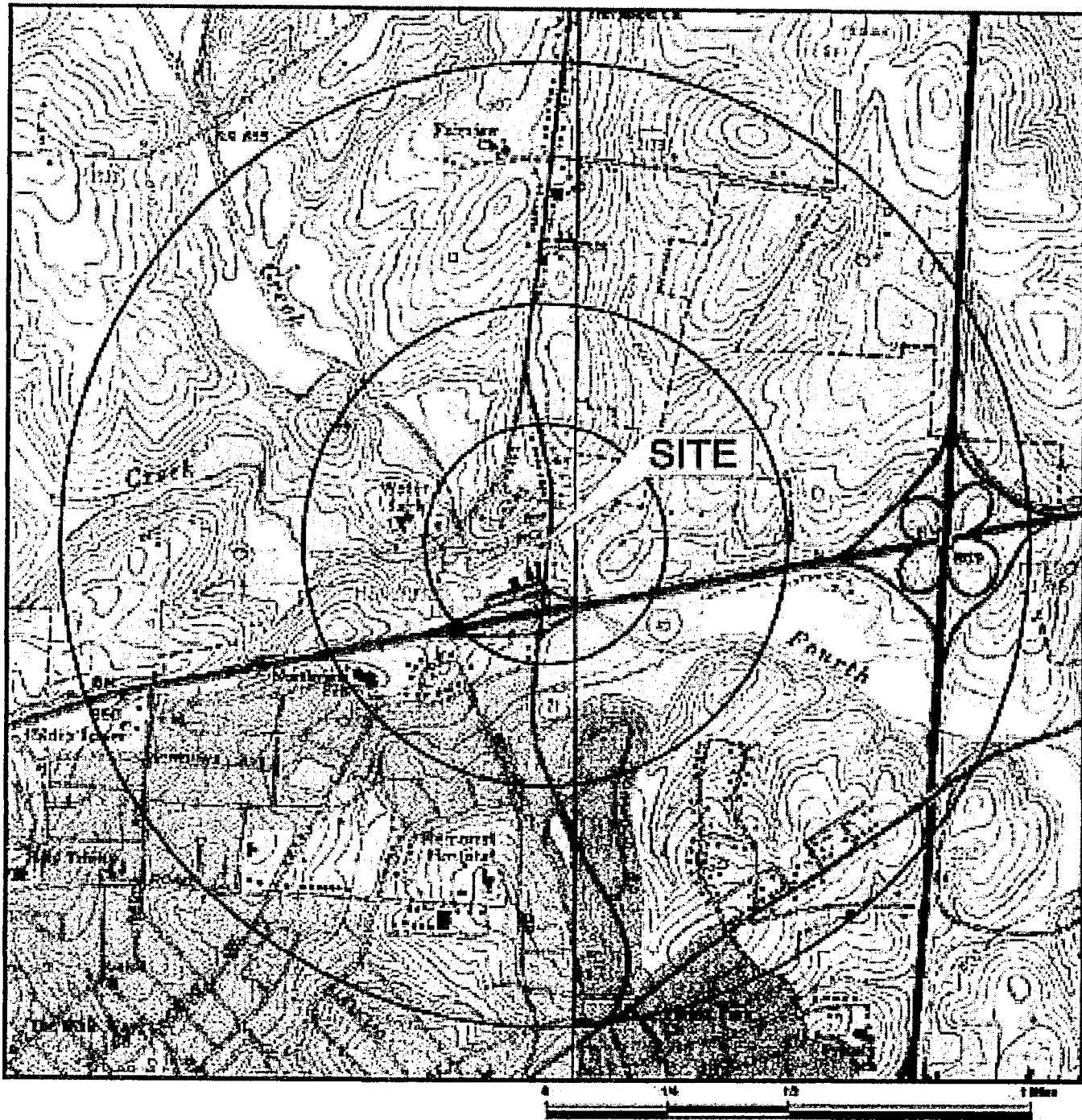
<b>Monitoring Well Construction Summary</b>				
<b>Petro Express #31 (DBA The Pantry #3948)</b>				
<b>131 Turnersburg Highway</b>				
<b>Statesville, Iredell County, North Carolina</b>				
<b>Facility ID Number: 0-036008</b>				
<b>Incident Number: 36310</b>				
<b>SEI Project Number: 507045</b>				
<b>Monitoring Well</b>	<b>Date Installed</b>	<b>Total Depth (feet bls)</b>	<b>Screen Interval (feet bls)</b>	<b>Date Abandoned</b>
MW-1	09/25/07	30	20-30	N/A

NA – Not applicable

**TABLE B-8**

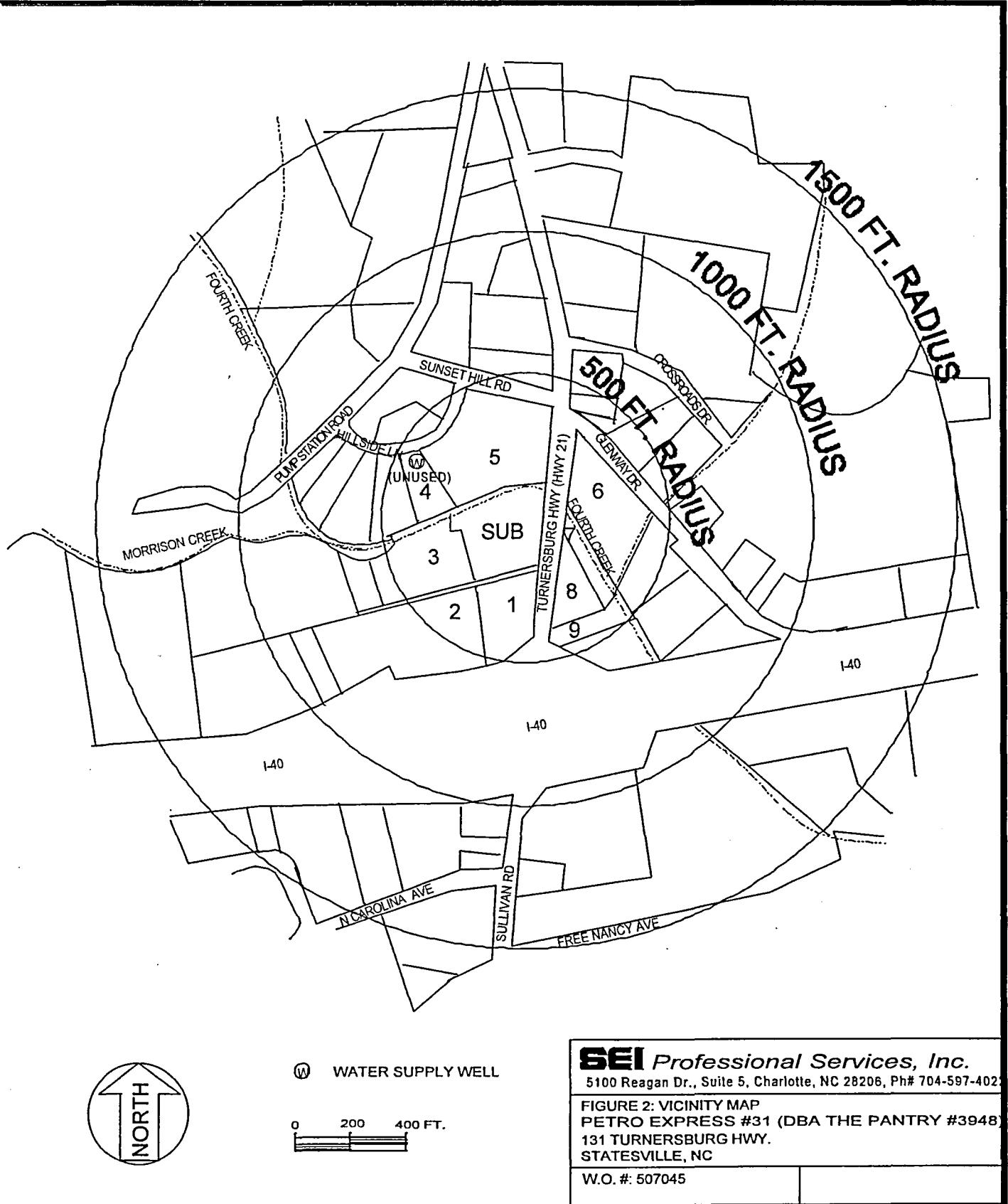
<b>Historical Groundwater Elevation Data</b>				
<b>Petro Express #31 (DBA The Pantry #3948)</b>				
<b>131 Turnersburg Highway</b>				
<b>Statesville, Iredell County, North Carolina</b>				
<b>Facility ID Number: 0-036008</b>				
<b>Incident Number: 36310</b>				
<b>SEI Project Number: 507045</b>				
<b>Well Location</b>	<b>Sample Gauged</b>	<b>Top of Casing Elevation (feet)*</b>	<b>Depth to Groundwater (feet)</b>	<b>Groundwater Elevation (feet)</b>
MW-1	09/27/07	NM	19.09	NM

\* Based on arbitrary datum of 100 feet

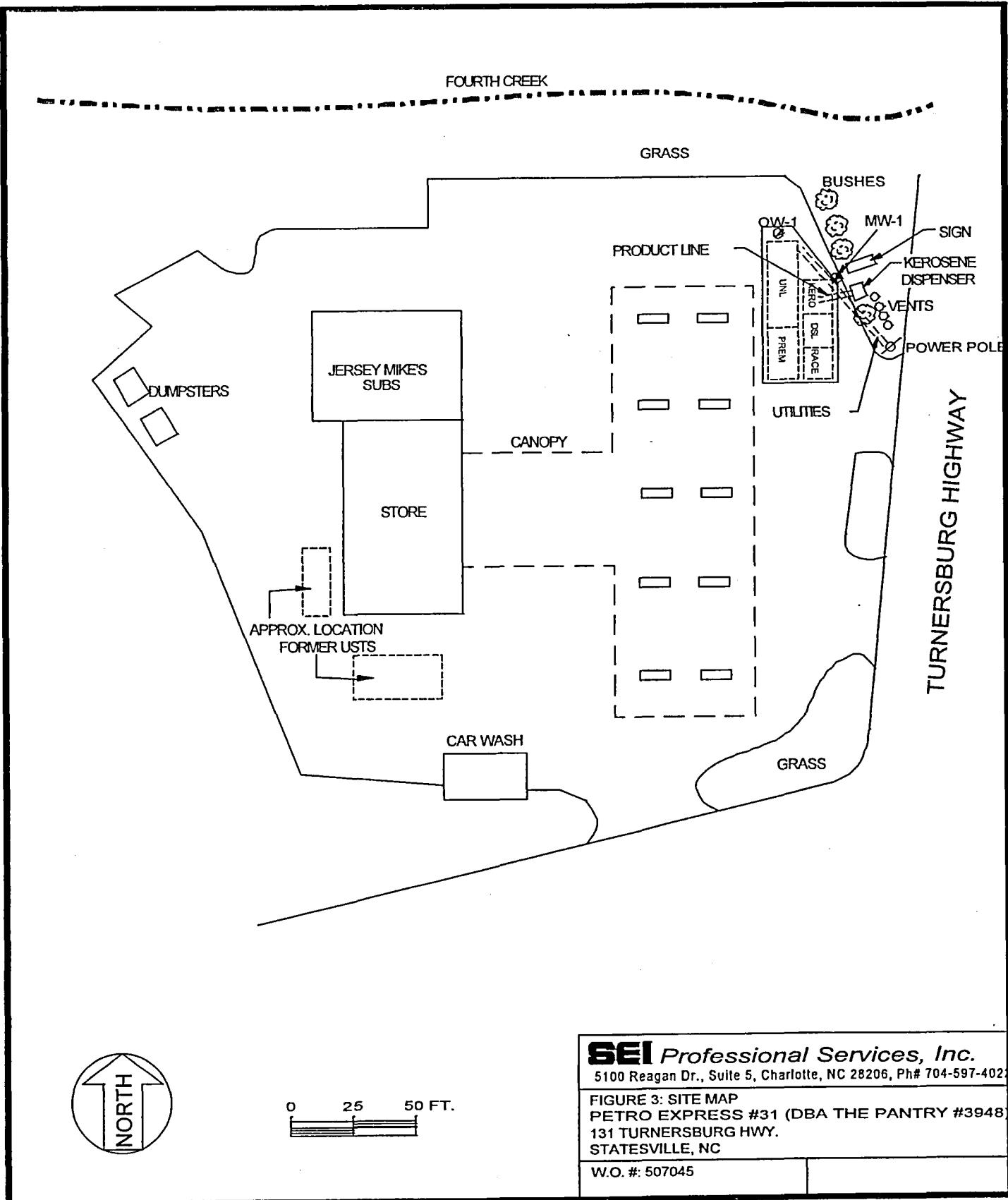


**SEI** Professional Services, P.C.  
5100 Reagan Dr., Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 1: USGS QUADRANGLE MAP  
PETRO EXPRESS #31 (DBA THE PANTRY #3943  
131 TURNERSBURG HWY.  
STATESVILLE, NORTH CAROLINA



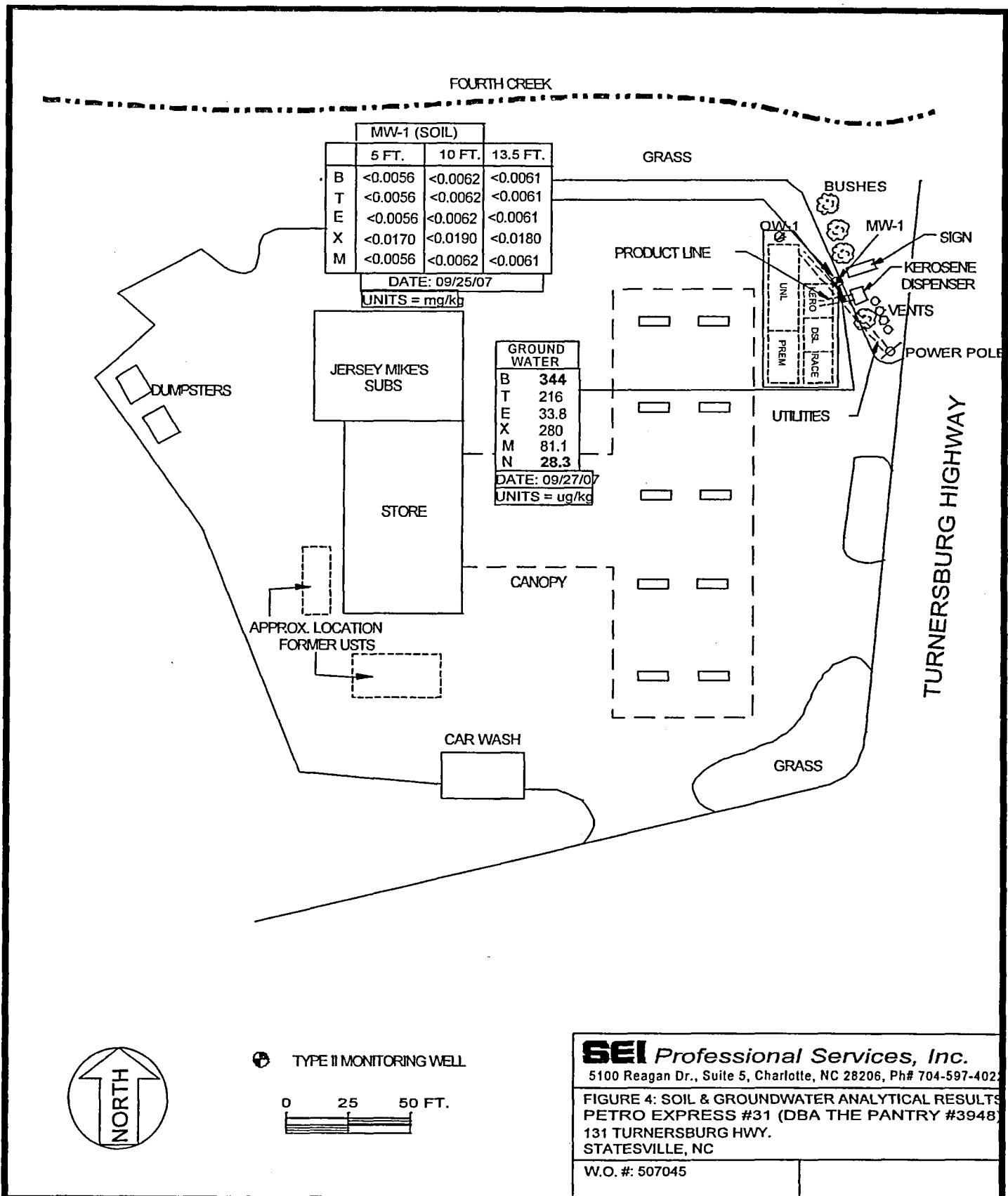
<b>SEI Professional Services, Inc.</b> 5100 Reagan Dr., Suite 5, Charlotte, NC 28206, Ph# 704-597-4021	
FIGURE 2: VICINITY MAP PETRO EXPRESS #31 (DBA THE PANTRY #3948) 131 TURNERSBURG HWY. STATESVILLE, NC	
W.O. #: 507045	



**SEI Professional Services, Inc.**  
5100 Reagan Dr., Suite 5, Charlotte, NC 28206, Ph# 704-597-4021

FIGURE 3: SITE MAP  
PETRO EXPRESS #31 (DBA THE PANTRY #3948)  
131 TURNERSBURG HWY.  
STATESVILLE, NC

W.O. #: 507045



## **APPENDIX A**



# NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2428

**1. WELL CONTRACTOR:**

Ray Rogers

Well Contractor (Individual) Name  
SEI Environmental, Inc.

Well Contractor Company Name

STREET ADDRESS 130 Penmarc Dr., Suite 108  
Raleigh NC 27603

City or Town State Zip Code

919-832-2535  
Area code- Phone number**2. WELL INFORMATION:**

SITE WELL ID #(if applicable) MW-1

STATE WELL PERMIT #(if applicable)

DWQ or OTHER PERMIT #(if applicable)

WELL USE (Check Applicable Box) Monitoring  Municipal/Public Industrial/Commercial  Agricultural  Recovery  Injection Irrigation  Other  (1st use)

DATE DRILLED 9-25-07

TIME COMPLETED AM  PM **3. WELL LOCATION:**CITY: STATESVILLE COUNTY: IREDELL  
131 TURNERSBURG HWY

(Street Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

## TOPOGRAPHIC / LAND SETTING:

 Slope  Valley  Ridge  Other  
(check appropriate box)

LATITUDE 35 8241

May be in degrees,  
minutes, seconds or  
in a decimal format

LONGITUDE 82 8754

Latitude/longitude source:  GPS  Topographic map  
location of well must be shown on a USGS topo map and  
attached to this form if not using GPS**4. FACILITY** Is the name of the business where the well is located.

FACILITY ID #(if applicable) 0-026008

NAME OF FACILITY PANTRY # 3948

STREET ADDRESS SAME AS ABOVE

City or Town State Zip Code

CONTACT PERSON RENEE THOMAS

MAILING ADDRESS P.O. BOX 1410

SANFORD NC 27330

City or Town State Zip Code

919-774-6700

Area code - Phone number

**5. WELL DETAILS:**

a. TOTAL DEPTH: 30

b. DOES WELL REPLACE EXISTING WELL? YES  NO c. WATER LEVEL Below Top of Casing: 19 FT.  
(Use "4" if Above Top of Casing)d. TOP OF CASING IS 0 FT. Above Land Surface\*  
\*Top of casing terminated at or below land surface may require  
a variance in accordance with 15A NCAC 20 .0118.

e. YIELD (gpm): \_\_\_\_\_ METHOD OF TEST \_\_\_\_\_

f. DISINFECTION Type \_\_\_\_\_ Amount \_\_\_\_\_

g. WATER ZONES (depth): \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

h. CASING: \_\_\_\_\_ Depth \_\_\_\_\_ Diameter \_\_\_\_\_ Thickness/Weight \_\_\_\_\_ Material \_\_\_\_\_

From 0 To 20 FT. 12" \_\_\_\_\_ Sch. 40 \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_ FT. 6" \_\_\_\_\_ Sch. 40 \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_ FT. \_\_\_\_\_

i. GROUT: \_\_\_\_\_ Depth \_\_\_\_\_ Material \_\_\_\_\_ Method \_\_\_\_\_

From 0 To 110 FT. PORTLAND CEMENT FOUR

From \_\_\_\_\_ To \_\_\_\_\_ FT. \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_ FT. \_\_\_\_\_

j. SCREEN: \_\_\_\_\_ Depth \_\_\_\_\_ Diameter \_\_\_\_\_ Slot Size \_\_\_\_\_ Material \_\_\_\_\_

From 20 To 30 FT. 2" in. 0.010 in. Sch. 40

From \_\_\_\_\_ To \_\_\_\_\_ FT. \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_ FT. \_\_\_\_\_

k. SAND/GRAVEL PACK: \_\_\_\_\_ Depth \_\_\_\_\_ Size \_\_\_\_\_ Material \_\_\_\_\_

From 18 To 30 FT. #2 SAND

From \_\_\_\_\_ To \_\_\_\_\_ FT. \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_ FT. \_\_\_\_\_

l. DRILLING LOG: \_\_\_\_\_ Formation Description \_\_\_\_\_

From 0 To 10 FT. ASPHALT, PEA GRAVEL

10 12 CLAY, WEATHERED ROCK

12 30

m. REMARKS: BENTONITE 16' - 18'

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH  
15A NCAC 20 .0118 WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS  
RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

10-29-07

SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Ray Rogers

PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt.  
1617 Mail Service Center - Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 558.Form GW-15  
Rev. 7/05

## **APPENDIX B**

(This line to be completed by Responsible Party or their representative) Incident Number: 36310      Incident Name: The Pantry #3948		PARCEL ID #:  
Please Provide the Following Information (to the best of your knowledge)		
Name and telephone number of person completing the survey <u>Kish Hamilton 704-873-2466</u>		
Address of property receiving survey <u>117 Turnersburg Hwy</u>		
City      Statesville	County    Iredell	
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)		
Is there a water supply well on this property? Yes <u>/</u> No If "No" disregard remaining questions and return survey		
Name and address of owner(s) of property with water supply well		
How many water supply wells are on your property?		
What is the well(s) used for? (check all that apply) Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.		
How many residences are connected to the well (list addresses below)?  _____ _____ _____ _____		
How deep is the well(s)?		Date well was installed?
What is the casing depth of the well(s)?		
What is the screen interval of the well(s)?		
Additional water supply well information:  _____ _____ _____ _____ _____ _____ _____		
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>SEI Environmental, Inc.</u> by _____ using one of the following methods:		
1. Fax to	(Consultants Fax Number)	(919) 832-5914
2. Mail to	(Consulting Firm Name and Address)	SEI Environmental, Inc. 2025 Progress Court Raleigh, North Carolina 27608
3. Telephone	(Consultant's Telephone Number)	(919) 832-2535 or (800) 474-7049
4. E-mail to	(Consultant's E-mail Address)	darker@sei-environmental.com
If you have any questions, please contact the consultant indicated above or the UST Section <u>Mooresville</u> <u>Regional Office</u> at (704) 663-1699		

Call 9-3

Raj Singh

(This line to be completed by Responsible Party or their representative) Incident Number: 36310      Incident Name: The Pantry #3948		PARCEL ID #: <u>3</u>
Please Provide the Following Information (to the best of your knowledge)		
Name and telephone number of person completing the survey <u>704-878-2400</u>		
Address of property receiving survey <u>125 Turnersburg Hwy</u>		
City <u>Statesville</u>	County <u>Iredell</u>	
What is the source of your drinking water? <u>Public Water / Water Supply Well / Stream Intake / Other (please explain below)</u>		
<u>Walked property &amp; did not find a well. Phone #'s available for confirmation</u>		
Is there a water supply well on this property? Yes / No If "No" disregard remaining questions and return survey		
Name and address of owner(s) of property with water supply well		
How many water supply wells are on your property?		
What is the well(s) used for? (check all that apply) Drinking <u>      </u> , Irrigation <u>      </u> , Swimming Pool <u>      </u> , Water Livestock <u>      </u> , Other (specify) <u>      </u> , You do not use the Well <u>      </u> .		
How many residences are connected to the well (list addresses below)?     		
How deep is the well(s)?		Date well was installed?
What is the casing depth of the well(s)?		
What is the screen interval of the well(s)?		
Additional water supply well information:         		
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>SEI Environmental, Inc.</u> by _____ using one of the following methods:		
1. Fax to	(Consultants Fax Number)	(919) 832-5914
2. Mail to	(Consulting Firm Name and Address)	SEI Environmental, Inc. 2025 Progress Court Raleigh, North Carolina 27608
3. Telephone	(Consultant's Telephone Number)	(919) 832-2535 or (800) 474-7049
4. E-mail to	(Consultant's E-mail Address)	darker@sei-environmental.com
If you have any questions, please contact the consultant indicated above or the UST Section <u>Mooresville</u> Regional Office at (704) 663-1699		

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David Hobman

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704-513-2374

(This line to be completed by Responsible Party or their representative) Incident Number: 36310      Incident Name: The Pantry #3948		PARCEL ID #: 2
Please Provide the Following Information (to the best of your knowledge)		
Name and telephone number of person completing the survey		
Address of property receiving survey 707 711 4725 Gaithers Rd.		
City Statesville	County Iredell	
What is the source of your drinking water?		
Public Water / Water Supply Well / Stream Intake / Other (please explain below) Did not find a well. Phone #'s available for confirmation.		
Is there a water supply well on this property? Yes / No If "No" disregard remaining questions and return survey		
Name and address of owner(s) of property with water supply well		
How many water supply wells are on your property?		
What is the well(s) used for? (check all that apply) Drinking ___, Irrigation ___, Swimming Pool ___, Water Livestock ___, Other (specify) ___, You do not use the Well ___.		
How many residences are connected to the well (list addresses below)?     		
How deep is the well(s)?	Date well was installed?	
What is the casing depth of the well(s)?		
What is the screen interval of the well(s)?		
Additional water supply well information:     		
(This part to be completed by Responsible Party or their representative) Please return completed survey to SEI Environmental, Inc. by _____ using one of the following methods:		
1. Fax to	(Consultants Fax Number)	(919) 832-5914
2. Mail to	(Consulting Firm Name and Address)	SEI Environmental, Inc. 2025 Progress Court Raleigh, North Carolina 27608
3. Telephone	(Consultant's Telephone Number)	(919) 832-2535 or (800) 474-7049
4. E-mail to	(Consultant's E-mail Address)	darker@sei-environmental.com
If you have any questions, please contact the consultant indicated above or the UST Section Mooresville Regional Office at (704) 663-1699		

704-873-4325 (# of property for sale sign)

(This line to be completed by Responsible Party or their representative) Incident Number: 36310      Incident Name: The Pantry #3948		PARCEL ID #: 5
Please Provide the Following Information (to the best of your knowledge)		
Name and telephone number of person completing the survey <u>Kathy Gabel</u> 704-872-5077		
Address of property receiving survey <u>149 Turnersburg Hwy</u>		
City <u>Statesville</u>	County <u>Iredell</u>	
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)		
Is there a water supply well on this property? Yes / <u>No</u> If "No" disregard remaining questions and return survey		
Name and address of owner(s) of property with water supply well		
How many water supply wells are on your property?		
What is the well(s) used for? (check all that apply) Drinking <u>      </u> , Irrigation <u>      </u> , Swimming Pool <u>      </u> , Water <u>      </u> , Livestock <u>      </u> , Other (specify) <u>      </u> , You do not use the Well <u>      </u> .		
How many residences are connected to the well (list addresses below)?		
How deep is the well(s)?		Date well was installed?
What is the casing depth of the well(s)?		
What is the screen interval of the well(s)?		
Additional water supply well information:		
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>SEI Environmental, Inc.</u> by _____ using one of the following methods:		
1. Fax to	(Consultants Fax Number)	(919) 832-5914
2. Mail to	(Consulting Firm Name and Address)	SEI Environmental, Inc. 2025 Progress Court Raleigh, North Carolina 27608
3. Telephone	(Consultant's Telephone Number)	(919) 832-2535 or (800) 474-7049
4. E-mail to	(Consultant's E-mail Address)	darker@sei-environmental.com
If you have any questions, please contact the consultant indicated above or the UST Section <u>Mooresville</u> Regional Office at (704) 663-1699		

(This line to be completed by Responsible Party or their representative) Incident Number: 36310      Incident Name: The Pantry #3948		PARCEL ID #: 4
Please Provide the Following Information (to the best of your knowledge)		
Name and telephone number of person completing the survey Craig Sharp 704-902-6090		
Address of property receiving survey 115 H.W.Side Ln		
City Statesville      County Iredell		
What is the source of your drinking water? <input checked="" type="checkbox"/> Public Water / Water Supply Well / Stream Intake / Other (please explain below)		
Is there a water supply well on this property? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No If "No" disregard remaining questions and return survey		
Name and address of owner(s) of property with water supply well		
How many water supply wells are on your property? 1		
What is the well(s) used for? (check all that apply) Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well <input checked="" type="checkbox"/> .		
How many residences are connected to the well (list addresses below)?		
How deep is the well(s)? ? Date well was installed? ~1948		
What is the casing depth of the well(s)? ?		
What is the screen interval of the well(s)? ?		
Additional water supply well information: Well has been capped & residence uses city water.		
(This part to be completed by Responsible Party or their representative) Please return completed survey to SEI Environmental, Inc. by _____ using one of the following methods:		
1. Fax to	(Consultants Fax Number)	(919) 832-5914
2. Mail to	(Consulting Firm Name and Address)	SEI Environmental, Inc. 2025 Progress Court Raleigh, North Carolina 27608
3. Telephone	(Consultant's Telephone Number)	(919) 832-2535 or (800) 474-7049
4. E-mail to	(Consultant's E-mail Address)	darker@sei-environmental.com
If you have any questions, please contact the consultant indicated above or the UST Section <u>Mooresville Regional Office</u> at (704) 663-1699		

(This line to be completed by Responsible Party or their representative)  
Incident Number: 36310      Incident Name: The Pantry #3948

PARCEL ID #: (6)

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey Robin Fitchett 704-878-3870

Address of property receiving survey 140 Turnersburg Hwy

City Statesville      County Iredell

What is the source of your drinking water?

Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes / No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking \_\_\_, Irrigation \_\_\_, Swimming Pool \_\_\_, Water Livestock \_\_\_, Other (specify) \_\_\_, You do not use the Well \_\_\_.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to SEI Environmental, Inc. by \_\_\_\_\_ using one of the following methods:

- |              |                                    |   |
|--------------|------------------------------------|---|
| 1. Fax to    | (Consultants Fax Number)           | (919) 832-5914  |
| 2. Mail to   | (Consulting Firm Name and Address) | SEI Environmental, Inc.<br>2025 Progress Court<br>Raleigh, North Carolina 27608 |
| 3. Telephone | (Consultant's Telephone Number)    | (919) 832-2535 or (800) 474-7049  |
| 4. E-mail to | (Consultant's E-mail Address)      | darker@sei-environmental.com  |

If you have any questions, please contact the consultant indicated above or the UST Section Mooresville Regional Office at (704) 663-1699

(This line to be completed by Responsible Party or their representative)  
Incident Number: 36310      Incident Name: The Pantry #3948

PARCEL ID #: 0-7

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey Audrey Peale 704-876-2736  
Address of property receiving survey 122 Turnersburg Hwy  
City Statesville      County Iredell

What is the source of your drinking water?

Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes / No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking \_\_\_\_\_, Irrigation \_\_\_\_\_, Swimming Pool \_\_\_\_\_,  
Water Livestock \_\_\_\_\_, Other (specify) \_\_\_\_\_, You do not use the Well \_\_\_\_\_.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to SEI Environmental, Inc. by \_\_\_\_\_ using one of the following methods:

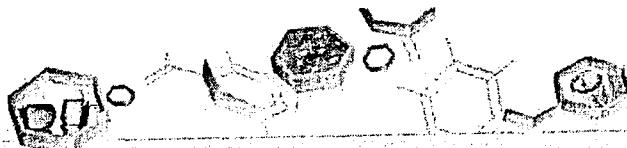
- |              |                                    |   |
|--------------|------------------------------------|---|
| 1. Fax to    | (Consultants Fax Number)           | (919) 832-5914  |
| 2. Mail to   | (Consulting Firm Name and Address) | SEI Environmental, Inc.<br>2025 Progress Court<br>Raleigh, North Carolina 27608 |
| 3. Telephone | (Consultant's Telephone Number)    | (919) 832-2535 or (800) 474-7049  |
| 4. E-mail to | (Consultant's E-mail Address)      | d.parker@sei-environmental.com  |

If you have any questions, please contact the consultant indicated above or the UST Section Mooresville Regional Office at (704) 663-1699

(This line to be completed by Responsible Party or their representative) Incident Number: 36310      Incident Name: The Pantry #3948		PARCEL ID #: <i>G</i>
Please Provide the Following Information (to the best of your knowledge)		
Name and telephone number of person completing the survey		
Address of property receiving survey <i>S. China Bluff</i>		
City    Statesville	County    Iredell	
What is the source of your drinking water?		
Public Water / Water Supply Well / Stream Intake / Other (please explain below)		
<i>walked property &amp; didn't find any wells.</i>		
Is there a water supply well on this property? Yes / No If "No" disregard remaining questions and return survey		
Name and address of owner(s) of property with water supply well		
How many water supply wells are on your property?		
What is the well(s) used for? (check all that apply) Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.		
How many residences are connected to the well (list addresses below)?     		
How deep is the well(s)?	Date well was installed?	
What is the casing depth of the well(s)?		
What is the screen interval of the well(s)?		
Additional water supply well information:        		
(This part to be completed by Responsible Party or their representative) Please return completed survey to <u>SEI Environmental, Inc.</u> by _____ using one of the following methods:		
1. Fax to	(Consultants Fax Number)	(919) 832-5914
2. Mail to	(Consulting Firm Name and Address)	SEI Environmental, Inc. 2025 Progress Court Raleigh, North Carolina 27608
3. Telephone	(Consultant's Telephone Number)	(919) 832-2535 or (800) 474-7049
4. E-mail to	(Consultant's E-mail Address)	<a href="mailto:dparker@sei-environmental.com">dparker@sei-environmental.com</a>
If you have any questions, please contact the consultant indicated above or the UST Section <u>Mooresville Regional Office</u> at (704) 663-1699		

*Closed for short period*

## **APPENDIX C**



10/19/07

## Technical Report for



SEI Environmental-Raleigh

Pantry 3948; Statesville, NC

507045

Accutest Job Number: F52809

Sampling Date: 09/25/07

Report to:

darker@sei-environmental.com

ATTN: Distribution6

Total number of pages in report: 41

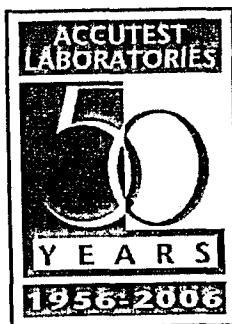


Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.  
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.



# Table of Contents

-1-

<b>Section 1: Sample Summary .....</b>	<b>3</b>	1
<b>Section 2: Sample Results .....</b>	<b>4</b>	2
<b>2.1: F52809-1: MW-1 (5) .....</b>	<b>5</b>	3
<b>2.2: F52809-2: MW-1 (10) .....</b>	<b>9</b>	4
<b>2.3: F52809-3: MW-1 (13.5) .....</b>	<b>13</b>	5
<b>Section 3: Misc. Forms .....</b>	<b>17</b>	6
<b>3.1: Chain of Custody .....</b>	<b>18</b>	7
<b>Section 4: GC/MS Volatiles - QC Data Summaries .....</b>	<b>20</b>	8
<b>4.1: Method Blank Summary .....</b>	<b>21</b>	9
<b>4.2: Blank Spike Summary .....</b>	<b>22</b>	10
<b>4.3: Matrix Spike/Matrix Spike Duplicate Summary .....</b>	<b>23</b>	11
<b>Section 5: GC/MS Semi-volatiles - QC Data Summaries .....</b>	<b>24</b>	12
<b>5.1: Method Blank Summary .....</b>	<b>25</b>	13
<b>5.2: Blank Spike Summary .....</b>	<b>27</b>	14
<b>5.3: Matrix Spike/Matrix Spike Duplicate Summary .....</b>	<b>28</b>	15
<b>Section 6: GC Volatiles - QC Data Summaries .....</b>	<b>29</b>	16
<b>6.1: Method Blank Summary .....</b>	<b>30</b>	17
<b>6.2: Blank Spike Summary .....</b>	<b>31</b>	18
<b>6.3: Matrix Spike/Matrix Spike Duplicate Summary .....</b>	<b>32</b>	19
<b>6.4: Duplicate Summary .....</b>	<b>33</b>	20
<b>Section 7: GC Semi-volatiles - QC Data Summaries .....</b>	<b>34</b>	21
<b>7.1: Method Blank Summary .....</b>	<b>35</b>	22
<b>7.2: Blank Spike Summary .....</b>	<b>39</b>	23
<b>7.3: Matrix Spike/Matrix Spike Duplicate Summary .....</b>	<b>40</b>	24
<b>7.4: Duplicate Summary .....</b>	<b>41</b>	25



## Sample Summary

SEI Environmental-Raleigh

Job No: F52809

Pantry 3948; Statesville, NC  
Project No: 507045

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F52809-1	09/25/07	10:00 DB	09/26/07	SO	Soil	MW-1 (5)
F52809-2	09/25/07	10:10 DB	09/26/07	SO	Soil	MW-1 (10)
F52809-3	09/25/07	10:35 DB	09/26/07	SO	Soil	MW-1 (13.5)

---

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



**Sample Results**

**Report of Analysis**

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Accutest LabLink@12:36 19-Oct-2007

## Report of Analysis

Page 1 of 1



Client Sample ID:	MW-1 (5)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-1	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	97.6
Method:	SW846 8260B SW846 5030A		
Project:	Pantry 3948; Statesville, NC		

Run #1 <sup>a</sup>	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0046617.D	1	10/02/07	SH	09/26/07 14:00	n/a	VG1764
Run #2							

Initial Weight
Run #1 4.54 g
Run #2

## Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0056	0.0011	mg/kg	
108-88-3	Toluene	ND	0.0056	0.0011	mg/kg	
100-41-4	Ethylbenzene	ND	0.0056	0.0011	mg/kg	
1330-20-7	Xylene (total)	ND	0.017	0.0024	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0056	0.0011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Sample was received in a bulk container and preserved within 48 hours of sampling.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1



Client Sample ID:	MW-1 (5)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-1	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	97.6
Method:	SW846 8270C SW846 3550B		
Project:	Pantry 3948; Statesville, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005230.D	1	10/08/07	NJ	10/03/07	OP22621	SU243
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

## BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.17	0.033	mg/kg	
208-96-8	Acenaphthylene	ND	0.17	0.033	mg/kg	
120-12-7	Anthracene	ND	0.17	0.033	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.17	0.033	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.17	0.033	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.17	0.033	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.17	0.033	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.17	0.033	mg/kg	
218-01-9	Chrysene	ND	0.17	0.033	mg/kg	
53-70-3	Dibenz(a,h)anthracene	ND	0.17	0.033	mg/kg	
206-44-0	Fluoranthene	ND	0.17	0.033	mg/kg	
86-73-7	Fluorene	ND	0.17	0.033	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.17	0.033	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.17	0.033	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.17	0.033	mg/kg	
91-20-3	Naphthalene	ND	0.17	0.033	mg/kg	
85-01-8	Phenanthrene	ND	0.17	0.033	mg/kg	
129-00-0	Pyrene	ND	0.17	0.033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		40-105%
321-60-8	2-Fluorobiphenyl	70%		43-107%
1718-51-0	Terphenyl-d14	83%		45-119%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1 (5)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-1	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	97.6
Method:	MADEP VPH		
Project:	Pantry 3948; Statesville, NC		

Run #1 <sup>a</sup>	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028763.D	1	09/28/07	MM	n/a	n/a	GUV1658
Run #2							

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.20 g	5.1 ml	100 ul
Run #2			

## MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	4.7	2.5	mg/kg	
	C9- C12 Aliphatics (Unadj.)	ND	3.4	1.9	mg/kg	
	C9- C10 Aromatics (Unadj.)	ND	1.2	0.62	mg/kg	
CAS No.	Surrogate Recoveries		Run# 1	Run# 2	Limits	
460-00-4	BFB	90%			70-130%	
460-00-4	BFB	85%			70-130%	

(a) Sample was received in a bulk container and preserved within 48 hours of sampling.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1 (5)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-1	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	97.6
Method:	MADEP-EPH-98-1 SW846 3550B		
Project:	Pantry 3948; Statesville, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF25624.D	1	10/10/07	MG	09/27/07	OP22536	GZF1151
Run #2 <sup>a</sup>	ZF25650.D	1	10/17/07	MG	09/27/07	OP22536	GZF1153

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2	30.0 g	2.0 ml

## MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	6.8	6.8	mg/kg	
	C9-C18 Aliphatics	ND	6.8	6.8	mg/kg	
	C19-C36 Aliphatics	ND	6.8	6.8	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
3386-33-2	1-Chlorooctadecane	35% <sup>b</sup>	27%	40-140%		
580-13-2	2-Bromonaphthalene	107%	84%	40-140%		
84-15-1	o-Terphenyl	49%	38%	40-140%		
321-60-8	2-Fluorobiphenyl	88%	66%	40-140%		

(a) Confirmation run.

(b) Confirmed by refractionation and reanalysis.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest LabLink@12:36 19-Oct-2007

## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1 (10)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-2	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260B SW846 5030A		
Project:	Pantry 3948; Statesville, NC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0046618.D	1	10/02/07	SH	09/26/07 14:00	n/a	VG1764
Run #2							

Initial Weight	
Run #1	4.75 g
Run #2	

## Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0062	0.0012	mg/kg	
108-88-3	Toluene	ND	0.0062	0.0012	mg/kg	
100-41-4	Ethylbenzene	ND	0.0062	0.0012	mg/kg	
1330-20-7	Xylene (total)	ND	0.019	0.0026	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0062	0.0012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	104%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest LabLink@12:36 19-Oct-2007

## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1 (10)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-2	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270C SW846 3550B		
Project:	Pantry 3948; Statesville, NC		
Run #1	File ID U005231.D	DF 1	Analyzed 10/08/07
Run #2			By NJ
			Prep Date 10/03/07
			Prep Batch OP22621
			Analytical Batch SU243
Run #1	Initial Weight 30.6 g	Final Volume 1.0 ml	
Run #2			

## BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.19	0.038	mg/kg	
208-96-8	Acenaphthylene	ND	0.19	0.038	mg/kg	
120-12-7	Anthracene	ND	0.19	0.038	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.19	0.038	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.19	0.038	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.038	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.038	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.038	mg/kg	
218-01-9	Chrysene	ND	0.19	0.038	mg/kg	
53-70-3	Dibenz(a,h)anthracene	ND	0.19	0.038	mg/kg	
206-44-0	Fluoranthene	ND	0.19	0.038	mg/kg	
86-73-7	Fluorene	ND	0.19	0.038	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.038	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.19	0.038	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.19	0.038	mg/kg	
91-20-3	Naphthalene	ND	0.19	0.038	mg/kg	
85-01-8	Phenanthrene	ND	0.19	0.038	mg/kg	
129-00-0	Pyrene	ND	0.19	0.038	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		40-105%
321-60-8	2-Fluorobiphenyl	60%		43-107%
1718-51-0	Terphenyl-d14	69%		45-119%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest LabLink@12:36 19-Oct-2007

## Report of Analysis

Page 1 of 1



Client Sample ID:	MW-1 (10)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-2	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	MADEP VPH		
Project:	Pantry 3948; Statesville, NC		

Run #1 <sup>a</sup>	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	UV028765.D	1	09/28/07	MM	n/a	n/a	GUV1658

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.58 g	5.1 ml	100 ul
Run #2			

## MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	4.9	2.6	mg/kg	
	C9- C12 Aliphatics (Unadj.)	2.35	3.6	2.0	mg/kg	J
	C9- C10 Aromatics (Unadj.)	0.983	1.3	0.65	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	84%		70-130%
460-00-4	BFB	79%		70-130%

(a) Sample was received in a bulk container and preserved within 48 hours of sampling.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest LabLink@12:36 19-Oct-2007

## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1 (10)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-2	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	MADEP-EPH-98-1 SW846 3550B		
Project:	Pantry 3948; Statesville, NC		
Run #1	File ID ZF25625.D	DF 1	Analyzed 10/10/07
Run #2			By MG
Run #1	Initial Weight 29.7 g	Final Volume 2.0 ml	
Run #2			

## MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	8.56	7.9	7.9	mg/kg	
	C9-C18 Aliphatics	ND	7.9	7.9	mg/kg	
	C19-C36 Aliphatics	ND	7.9	7.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
3386-33-2	1-Chlorooctadecane	46%		40-140%		
580-13-2	2-Bromonaphthalene	91%		40-140%		
84-15-1	o-Terphenyl	67%		40-140%		
321-60-8	2-Fluorobiphenyl	75%		40-140%		

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest LabLink@12:36 19-Oct-2007

## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1 (13.5)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-3	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	92.7
Method:	SW846 8260B SW846 5030A		
Project:	Pantry 3948; Statesville, NC		

Run #1	File ID G0046619.D	DF 1	Analyzed 10/02/07	By SH	Prep Date 09/26/07 14:00	Prep Batch n/a	Analytical Batch VG1764
Run #2							

Initial Weight	
Run #1	4.40 g
Run #2	

## Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0061	0.0012	mg/kg	
108-88-3	Toluene	ND	0.0061	0.0012	mg/kg	
100-41-4	Ethylbenzene	ND	0.0061	0.0012	mg/kg	
1330-20-7	Xylene (total)	ND	0.018	0.0026	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0061	0.0012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	104%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1 (13.5)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-3	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	92.7
Method:	SW846 8270C SW846 3550B		
Project:	Pantry 3948; Statesville, NC		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	U005232.D	1	10/08/07	NJ	10/03/07	OP22621	SU243

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

## BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.18	0.035	mg/kg	
208-96-8	Acenaphthylene	ND	0.18	0.035	mg/kg	
120-12-7	Anthracene	ND	0.18	0.035	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.18	0.035	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.18	0.035	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.18	0.035	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.18	0.035	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.18	0.035	mg/kg	
218-01-9	Chrysene	ND	0.18	0.035	mg/kg	
53-70-3	Dibenz(a,h)anthracene	ND	0.18	0.035	mg/kg	
206-44-0	Fluoranthene	ND	0.18	0.035	mg/kg	
86-73-7	Fluorene	ND	0.18	0.035	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.18	0.035	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.18	0.035	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.18	0.035	mg/kg	
91-20-3	Naphthalene	ND	0.18	0.035	mg/kg	
85-01-8	Phenanthrene	ND	0.18	0.035	mg/kg	
129-00-0	Pyrene	ND	0.18	0.035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		40-105%
321-60-8	2-Fluorobiphenyl	68%		43-107%
1718-51-0	Terphenyl-d14	76%		45-119%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest LabLink@12:36 19-Oct-2007

## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1 (13.5)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-3	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	92.7
Method:	MADEP VPH		
Project:	Pantry 3948; Statesville, NC		

Run #1 <sup>a</sup>	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	UV028761.D	1	09/28/07	MM	n/a	n/a	GUV1658

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.73 g	5.1 ml	100 ul
Run #2			

## MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	4.4	2.3	mg/kg	
	C9- C12 Aliphatics (Unadj.)	ND	3.2	1.7	mg/kg	
	C9- C10 Aromatics (Unadj.)	1.86	1.2	0.58	mg/kg	
CAS No.	Surrogate Recoveries		Run# 1	Run# 2	Limits	
460-00-4	BFB		89%		70-130%	
460-00-4	BFB		85%		70-130%	

(a) Sample was received in a bulk container and preserved within 48 hours of sampling.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1 (13.5)	Date Sampled:	09/25/07
Lab Sample ID:	F52809-3	Date Received:	09/26/07
Matrix:	SO - Soil	Percent Solids:	92.7
Method:	MADEP-EPH-98-1 SW846 3550B		
Project:	Pantry 3948; Statesville, NC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF25613.D	1	10/10/07	MG	09/27/07	OP22536	GZF1151
Run #2							

Run #	Initial Weight	Final Volume
Run #1	29.8 g	2.0 ml
Run #2		

## MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	7.2	7.2	mg/kg	
	C9-C18 Aliphatics	ND	7.2	7.2	mg/kg	
	C19-C36 Aliphatics	ND	7.2	7.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
3386-33-2	1-Chlorooctadecane	50%		40-140%		
580-13-2	2-Bromonaphthalene	64%		40-140%		
84-15-1	o-Terphenyl	56%		40-140%		
321-60-8	2-Fluorobiphenyl	61%		40-140%		

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



IT'S ALL IN THE CHEMISTRY



## Misc. Forms

### Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



# CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15  
ORLANDO, FL 32811  
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: **F52809**  
ACCUTEST QUOTE #:

CLIENT INFORMATION		FACILITY INFORMATION		ANALYTICAL INFORMATION		MATRIX CODES
<b>SEI ENVIRONMENTAL</b> NAME: <b>130 PENMARC DR</b> ADDRESS: <b>RALEIGH NC 27603</b> CITY, STATE ZIP SEND REPORT TO: <b>D. PATICKER</b> PHONE # <b>919-832-2535</b>		<b>PA 3948</b> PROJECT NAME: <b>STATESVILLE INC</b> LOCATION: <b>507045</b> PROJECT NO. FAX #				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION		PRESERVATION		LAB USE ONLY
(1)	MW-1(5)	DATE	TIME	SAMPLED BY:	MATRIX	8260 (MTBE/PE)
(2)	MW-1(10)	9/25/67	1000	DB	SO	8270
(3)	MW-1(13.5)		1010		1	VPH
			1035		3	HPLC
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		COMMENTS/REMARKS		
<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER		<input type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____		<i>*SAMPLES NOT PRESERVED</i>		
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY						
RELINQUISHED BY / SAMPLER	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	09:00
1.	9/25 1715	FX	2.	9-26-07	J. Lorenz	
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	
3.		3.	4.		4.	
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE		ON ICE
5.		5.		<input type="checkbox"/>		<input type="checkbox"/> 24 C

F52809: Chain of Custody

Page 1 of 2

# ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F52 809  
DATE/TIME RECEIVED: 9-26-07 04:00  
METHOD OF DELIVERY: FEDEX UPS  
AIRBILL NUMBERS: 8619 1477 2702

CLIENT: SEI PROJECT: PA 3948  
# OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4  
ACCUTEST COURIER GREYHOUND DELIVERY OTHER

3.1

## COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

## TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

## MISC. INFORMATION

NUMBER OF ENCORES ?

0

NUMBER OF 5035 FIELD KITS ?

0

NUMBER OF LAB FILTERED METALS ?

0

SUMMARY OF COMMENTS:

## SAMPLE INFORMATION

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- TIMES ON COC DOES NOT MATCH LABEL(S)
- ID'S ON COC DOES NOT MATCH LABEL(S)
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED
- 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE SC 9-26-07

TECHNICIAN SIGNATURE/DATE \_\_\_\_\_

ASBD 10/03/06

F52809: Chain of Custody  
Page 2 of 2



IT'S ALL IN THE CHEMISTRY

## GC/MS Volatiles

### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1764-MB	G0046595.D	1	10/02/07	SH	n/a	n/a	VG1764

41

4

The QC reported here applies to the following samples:

Method: SW846 8260B

F52809-1, F52809-2, F52809-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	15	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	103% 80-121%
2037-26-5	Toluene-D8	97% 71-130%
460-00-4	4-Bromofluorobenzene	106% 59-148%
17060-07-0	1,2-Dichloroethane-D4	103% 77-123%

**Blank Spike Summary**

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1764-BS	G0046594.D	1	10/02/07	SH	n/a	n/a	VG1764

42

4

The QC reported here applies to the following samples:

Method: SW846 8260B

F52809-1, F52809-2, F52809-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	49.6	99	78-130
100-41-4	Ethylbenzene	50	48.5	97	82-124
1634-04-4	Methyl Tert Butyl Ether	50	51.0	102	70-131
108-88-3	Toluene	50	47.8	96	80-123
1330-20-7	Xylene (total)	150	150	100	83-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	116%	77-123%

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F52809  
 Account: SEINCR SEI Environmental-Raleigh  
 Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52925-1MS	G0046602.D	1	10/02/07	SH	n/a	n/a	VG1764
F52925-1MSD	G0046603.D	1	10/02/07	SH	n/a	n/a	VG1764
F52925-1 <sup>a</sup>	G0046597.D	1	10/02/07	SH	n/a	n/a	VG1764

The QC reported here applies to the following samples:

Method: SW846 8260B

F52809-1, F52809-2, F52809-3

CAS No.	Compound	F52925-1		Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
		ug/kg	Q							
71-43-2	Benzene	4.8	U	49.4	47.7	97	51.7	106	8	78-130/25
100-41-4	Ethylbenzene	4.8	U	49.4	48.5	98	53.0	109	9	82-124/25
1634-04-4	Methyl Tert Butyl Ether	4.8	U	49.4	39.0	79	42.1	86	8	70-131/25
108-88-3	Toluene	4.8	U	49.4	48.9	99	52.8	108	8	80-123/26
1330-20-7	Xylene (total)	15	U	148	151	102	165	113	9	83-127/24

CAS No.	Surrogate Recoveries	MS	MSD	F52925-1	Limits
1868-53-7	Dibromofluoromethane	103%	103%	105%	80-121%
2037-26-5	Toluene-D8	98%	99%	94%	71-130%
460-00-4	4-Bromofluorobenzene	101%	95%	104%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	102%	102%	77-123%

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.



IT'S ALL IN THE CHEMISTRY

## GC/MS Semi-volatiles



### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22621-MB	R11183.D	1	10/05/07	NJ	10/03/07	OP22621	SR520

The QC reported here applies to the following samples:

Method: SW846 8270C

F52809-1, F52809-2, F52809-3

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	33	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
53-70-3	Dibenz(a,h)anthracene	ND	170	33	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	33	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries	Limits
4165-60-0	Nitrobenzene-d5	64% 40-105%
321-60-8	2-Fluorobiphenyl	65% 43-107%
1718-51-0	Terphenyl-d14	77% 45-119%

## Method Blank Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22621-MB	U005229.D	1	10/08/07	NJ	10/03/07	OP22621	SU243

The QC reported here applies to the following samples:

Method: SW846 8270C

F52809-1, F52809-2, F52809-3

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	33	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	33	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	33	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries	Limits
4165-60-0	Nitrobenzene-d5	66% 40-105%
321-60-8	2-Fluorobiphenyl	67% 43-107%
1718-51-0	Terphenyl-d14	78% 45-119%

## Blank Spike Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22621-BS	R11182.D	1	10/05/07	NJ	10/03/07	OP22621	SR520

The QC reported here applies to the following samples:

Method: SW846 8270C

F52809-1, F52809-2, F52809-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	1670	1180	71	59-97
208-96-8	Acenaphthylene	1670	1160	70	58-98
120-12-7	Anthracene	1670	1240	74	61-104
56-55-3	Benzo(a)anthracene	1670	1260	76	60-106
50-32-8	Benzo(a)pyrene	1670	1250	75	59-102
205-99-2	Benzo(b)fluoranthene	1670	1280	77	60-107
191-24-2	Benzo(g,h,i)perylene	1670	1200	72	56-103
207-08-9	Benzo(k)fluoranthene	1670	1290	77	61-107
218-01-9	Chrysene	1670	1260	76	60-107
53-70-3	Dibenz(a,h)anthracene	1670	1240	74	57-105
206-44-0	Fluoranthene	1670	1300	78	60-110
86-73-7	Fluorene	1670	1220	73	60-99
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1180	71	57-104
90-12-0	1-Methylnaphthalene	1670	1160	70	55-93
91-57-6	2-Methylnaphthalene	1670	1240	74	57-103
91-20-3	Naphthalene	1670	1110	67	54-93
85-01-8	Phenanthrene	1670	1240	74	61-103
129-00-0	Pyrene	1670	1240	74	58-109

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	65%	40-105%
321-60-8	2-Fluorobiphenyl	66%	43-107%
1718-51-0	Terphenyl-d14	76%	45-119%

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F52809  
 Account: SEINCR SEI Environmental-Raleigh  
 Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22621-MS	R11191.D	1	10/05/07	NJ	10/03/07	OP22621	SR520
OP22621-MSD	R11192.D	1	10/05/07	NJ	10/03/07	OP22621	SR520
F52849-4	R11190.D	1	10/05/07	NJ	10/03/07	OP22621	SR520

The QC reported here applies to the following samples:

Method: SW846 8270C

F52809-1, F52809-2, F52809-3

CAS No.	Compound	F52849-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	73.7	J	1730	1200	65	1170	63	3	59-97/29
208-96-8	Acenaphthylene	ND		1730	1130	65	1120	65	1	58-98/30
120-12-7	Anthracene	221		1730	1590	79	1550	77	3	61-104/29
56-55-3	Benz(a)anthracene	579		1730	2320	101	2110	88	9	60-106/31
50-32-8	Benz(a)pyrene	465		1730	2040	91	1900	83	7	59-102/32
205-99-2	Benz(b)fluoranthene	470		1730	2020	90	1890	82	7	60-107/31
191-24-2	Benz(g,h,i)perylene	270		1730	1700	83	1650	80	3	56-103/32
207-08-9	Benz(k)fluoranthene	384		1730	1970	92	1850	85	6	61-107/30
218-01-9	Chrysene	539		1730	2260	99	2080	89	8	60-107/31
53-70-3	Dibenzo(a,h)anthracene	61.2	J	1730	1520	84	1500	83	1	57-105/29
206-44-0	Fluoranthene	1520		1730	3890	137*	3450	111*	12	60-110/32
86-73-7	Fluorene	79.7	J	1730	1280	69	1250	68	2	60-99/30
193-39-5	Indeno(1,2,3-cd)pyrene	310		1730	1750	83	1690	80	3	57-104/33
90-12-0	1-Methylnaphthalene	ND		1730	1050	61	1010	58	4	55-93/33
91-57-6	2-Methylnaphthalene	ND		1730	1140	66	1030	59	10	57-103/32
91-20-3	Naphthalene	45.6	J	1730	926	51*	865	47*	7	54-93/32
85-01-8	Phenanthrene	817		1730	2410	92	2200	80	9	61-103/32
129-00-0	Pyrene	1130		1730	3440	133*	2950	105	15	58-109/33

CAS No.	Surrogate Recoveries	MS	MSD	F52849-4	Limits
4165-60-0	Nitrobenzene-d5	57%	57%	54%	40-105%
321-60-8	2-Fluorobiphenyl	63%	62%	63%	43-107%
1718-51-0	Terphenyl-d14	76%	78%	77%	45-119%



IT'S ALL IN THE CHEMISTRY

## GC Volatiles



### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1658-MB	UV028746.D1		09/28/07	MM	n/a	n/a	GUV1658

The QC reported here applies to the following samples:

Method: MADEP VPH

F52809-1, F52809-2, F52809-3

6.1



CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	3800	2000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	2800	1500	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	1000	510	ug/kg	

CAS No.	Surrogate Recoveries	Limits
460-00-4	BFB	102% 70-130%
460-00-4	BFB	95% 70-130%

## Blank Spike Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1658-BS	UV028745.D1		09/28/07	MM	n/a	n/a	GUV1658

The QC reported here applies to the following samples:

Method: MADEP VPH

F52809-1, F52809-2, F52809-3

6.2



CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	C5- C8 Aliphatics (Unadj.)	25000	25000	100	70-130
	C9- C12 Aliphatics (Unadj.)	25000	25400	102	70-130
	C9- C10 Aromatics (Unadj.)	4160	4080	98	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	BFB	108%	70-130%
460-00-4	BFB	99%	70-130%

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52810-1MS	UV028769.D1		09/28/07	MM	n/a	n/a	GUV1658
F52810-1MSD	UV028770.D1		09/28/07	MM	n/a	n/a	GUV1658
F52810-1	UV028748.D1		09/28/07	MM	n/a	n/a	GUV1658

The QC reported here applies to the following samples:

Method: MADEP VPH

F52809-1, F52809-2, F52809-3

6.9  
9

CAS No.	Compound	F52810-1 ug/kg	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD	
	C5- C8 Aliphatics (Unadj.)	ND	37300	38300	103	34500	92	10	70-130/50	
	C9- C12 Aliphatics (Unadj.)	19600	37300	57300	101	54900	95	4	70-130/50	
	C9- C10 Aromatics (Unadj.)	12000	6220	18300	101	18400	103	1	70-130/50	
CAS No.	Surrogate Recoveries	MS	MSD	F52810-1	Limits					
460-00-4	BFB	99%	98%	91%	70-130%					
460-00-4	BFB	94%	95%	89%	70-130%					

## Duplicate Summary

Page 1 of 1

Job Number: F52809  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52810-2DUP	UV028768.D1		09/28/07	MM	n/a	n/a	GUV1658
F52810-2	UV028749.D1		09/28/07	MM	n/a	n/a	GUV1658

The QC reported here applies to the following samples:

Method: MADEP VPH

F52809-1, F52809-2, F52809-3

6.4



CAS No.	Compound	F52810-2		DUP	Q	RPD	Limits
		ug/kg	Q	ug/kg			
	C5- C8 Aliphatics (Unadj.)	ND		ND		nc	
	C9- C12 Aliphatics (Unadj.)	ND		ND		nc	
	C9- C10 Aromatics (Unadj.)	1090	J	1070	J	2	

CAS No.	Surrogate Recoveries	DUP	F52810-2	Limits
460-00-4	BFB	88%	94%	70-130%
460-00-4	BFB	85%	89%	70-130%



**GC Semi-volatiles**

**QC Data Summaries**

7

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample OP22536-MB	File ID ZF25593.D	DF 1	Analyzed 10/09/07	By MG	Prep Date 09/27/07	Prep Batch OP22536	Analytical Batch GZF1150
----------------------	----------------------	---------	----------------------	----------	-----------------------	-----------------------	-----------------------------

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52809-1, F52809-2, F52809-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	6700	6700	ug/kg	
	C9-C18 Aliphatics	ND	6700	6700	ug/kg	
	C19-C36 Aliphatics	ND	6700	6700	ug/kg	

CAS No.	Surrogate Recoveries	Limits
3386-33-2	1-Chlorooctadecane	61% 40-140%
580-13-2	2-Bromonaphthalene	84% 40-140%
84-15-1	o-Terphenyl	59% 40-140%
321-60-8	2-Fluorobiphenyl	79% 40-140%

## Method Blank Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22536-MB	ZF25609.D	1	10/10/07	MG	09/27/07	OP22536	GZF1151

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52809-1, F52809-2, F52809-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	6700	6700	ug/kg	
	C9-C18 Aliphatics	ND	6700	6700	ug/kg	
	C19-C36 Aliphatics	ND	6700	6700	ug/kg	

CAS No.	Surrogate Recoveries	Limits
3386-33-2	1-Chlorooctadecane	58% 40-140%
580-13-2	2-Bromonaphthalene	85% 40-140%
84-15-1	o-Terphenyl	59% 40-140%
321-60-8	2-Fluorobiphenyl	78% 40-140%

## Method Blank Summary

Page 1 of 1

Job Number: F52809  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22536-MB	ZF25629.D	1	10/11/07	MG	09/27/07	OP22536	GZF1152

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52809-1, F52809-2, F52809-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	6700	6700	ug/kg	
	C9-C18 Aliphatics	ND	6700	6700	ug/kg	
	C19-C36 Aliphatics	ND	6700	6700	ug/kg	

CAS No.	Surrogate Recoveries	Limits
3386-33-2	1-Chlorooctadecane	61% 40-140%
580-13-2	2-Bromonaphthalene	85% 40-140%
84-15-1	o-Terphenyl	58% 40-140%
321-60-8	2-Fluorobiphenyl	78% 40-140%

## Method Blank Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22536-MB	ZF25649.D	1	10/17/07	MG	09/27/07	OP22536	GZF1153

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52809-1, F52809-2, F52809-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	6700	6700	ug/kg	
	C9-C18 Aliphatics	ND	6700	6700	ug/kg	
	C19-C36 Aliphatics	ND	6700	6700	ug/kg	

CAS No.	Surrogate Recoveries	Limits
3386-33-2	1-Chlorooctadecane	61% 40-140%
580-13-2	2-Bromonaphthalene	85% 40-140%
84-15-1	o-Terphenyl	58% 40-140%
321-60-8	2-Fluorobiphenyl	78% 40-140%

## Blank Spike Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22536-BS	ZF25592.D	1	10/09/07	MG	09/27/07	OP22536	GZF1150

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52809-1, F52809-2, F52809-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	C11-C22 Aromatics (Unadj.)	56700	39600	70	40-140
	C9-C18 Aliphatics	20000	20300	101	40-140
	C19-C36 Aliphatics	26700	28000	105	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
3386-33-2	1-Chlorooctadecane	47%	40-140%
580-13-2	2-Bromonaphthalene	78%	40-140%
84-15-1	o-Terphenyl	45%	40-140%
321-60-8	2-Fluorobiphenyl	56%	40-140%

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F52809

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22536-MS	ZF25630.D	4	10/11/07	MG	09/27/07	OP22536	GZF1152
OP22536-MSD	ZF25623.D	4	10/10/07	MG	09/27/07	OP22536	GZF1151
F52806-2	ZF25622.D	4	10/10/07	MG	09/27/07	OP22536	GZF1151

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52809-1, F52809-2, F52809-3

CAS No.	Compound	F52806-2		Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD	
		ug/kg	Q								
	C11-C22 Aromatics (Unadj.)	109000		66700	113000	6*	157000	72	33	40-140/50	
	C9-C18 Aliphatics	263000		23500	304000	174* <sup>a</sup>	432000	716* <sup>a</sup>	35	40-140/50	
	C19-C36 Aliphatics	49000		31400	69500	65	98200	156*	34	40-140/50	
CAS No.	Surrogate Recoveries	MS	MSD	F52806-2		Limits					
3386-33-2	1-Chlorooctadecane	41%	73%			57%	40-140%				
580-13-2	2-Bromonaphthalene	75%	77%			83%	40-140%				
84-15-1	o-Terphenyl	35%*	43%			76%	40-140%				
321-60-8	2-Fluorobiphenyl	50%	59%			81%	40-140%				

(a) Outside control limits due to high level in sample relative to spike amount.

## Duplicate Summary

Page 1 of 1

Job Number: F52809  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22536-DUP	ZF25610.D	1	10/10/07	MG	09/27/07	OP22536	GZF1151
F52806-6	ZF25601.D	1	10/10/07	MG	09/27/07	OP22536	GZF1150

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52809-1, F52809-2, F52809-3

CAS No.	Compound	F52806-6		Q	RPD	Limits
		ug/kg	DUP ug/kg			
	C11-C22 Aromatics (Unadj.)	7400 U	ND	nc	nc	nc
	C9-C18 Aliphatics	7400 U	ND	nc	nc	nc
	C19-C36 Aliphatics	7400 U	ND	nc	nc	nc
CAS No.	Surrogate Recoveries	DUP		F52806-6		Limits
		47%	44%	40-140%	40-140%	
3386-33-2	1-Chlorooctadecane	99%	85%	40-140%	40-140%	
580-13-2	2-Bromonaphthalene	73%	59%	40-140%	40-140%	
321-60-8	2-Fluorobiphenyl	86%	69%	40-140%	40-140%	



IT'S ALL IN THE CHEMISTRY

10/17/07

## Technical Report for



SEI Environmental-Raleigh

Pantry 3948; Statesville, NC

507045

Accutest Job Number: F52890

Sampling Date: 09/27/07

Report to:

SEI-Daytona Beach, FL

dbrewster@sei-environmental.com

ATTN: David Brewster

Total number of pages in report: 56

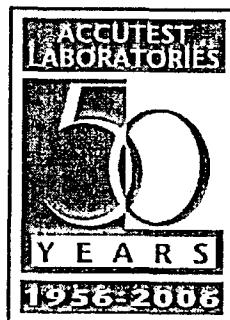


Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.  
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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Test results relate only to samples analyzed.



# Table of Contents

-1-

<b>Section 1: Sample Summary .....</b>	<b>3</b>	1
<b>Section 2: Sample Results .....</b>	<b>4</b>	2
<b>2.1: F52890-1: MW-1 .....</b>	<b>5</b>	3
<b>Section 3: Misc. Forms .....</b>	<b>14</b>	4
<b>3.1: Chain of Custody .....</b>	<b>15</b>	5
<b>Section 4: GC/MS Volatiles - QC Data Summaries .....</b>	<b>17</b>	6
<b>4.1: Method Blank Summary .....</b>	<b>18</b>	7
<b>4.2: Blank Spike Summary .....</b>	<b>21</b>	8
<b>4.3: Matrix Spike/Matrix Spike Duplicate Summary .....</b>	<b>24</b>	9
<b>Section 5: GC/MS Semi-volatiles - QC Data Summaries .....</b>	<b>27</b>	10
<b>5.1: Method Blank Summary .....</b>	<b>28</b>	11
<b>5.2: Blank Spike Summary .....</b>	<b>31</b>	12
<b>5.3: Matrix Spike/Matrix Spike Duplicate Summary .....</b>	<b>34</b>	13
<b>Section 6: GC Volatiles - QC Data Summaries .....</b>	<b>37</b>	14
<b>6.1: Method Blank Summary .....</b>	<b>38</b>	15
<b>6.2: Blank Spike Summary .....</b>	<b>40</b>	16
<b>6.3: Matrix Spike/Matrix Spike Duplicate Summary .....</b>	<b>43</b>	17
<b>6.4: Duplicate Summary .....</b>	<b>45</b>	18
<b>Section 7: GC Semi-volatiles - QC Data Summaries .....</b>	<b>46</b>	
<b>7.1: Method Blank Summary .....</b>	<b>47</b>	
<b>7.2: Blank Spike Summary .....</b>	<b>49</b>	
<b>7.3: Matrix Spike/Matrix Spike Duplicate Summary .....</b>	<b>51</b>	
<b>Section 8: Metals Analysis - QC Data Summaries .....</b>	<b>52</b>	
<b>8.1: Prep QC MP13036: Pb .....</b>	<b>53</b>	

### Sample Summary

SEI Environmental-Raleigh

Job No: F52890

Pantry 3948; Statesville, NC  
Project No: 507045

Sample Number	Collected Date	Time By	Matrix Received	Code Type	Client Sample ID
F52890-1	09/27/07	10:52 HP	09/28/07	AQ	Ground Water MW-1



IT'S ALL IN THE CHEMISTRY



## Sample Results

### Report of Analysis

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## Report of Analysis

Page 1 of 2

Client Sample ID:	MW-1	Date Sampled:	09/27/07
Lab Sample ID:	F52890-1	Date Received:	09/28/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 624		
Project:	Pantry 3948; Statesville, NC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0021756.D	1	10/04/07	MM	n/a	n/a	VN928
Run #2	F023893.D	100	10/09/07	WJ	n/a	n/a	VF469

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	344 a	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	1.6	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
108-20-3	Di-Isopropyl ether	14.7	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	33.8	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.5	5.0	1.0	ug/l	JB
1634-04-4	Methyl Tert Butyl Ether	81.1	1.0	0.25	ug/l	
91-20-3	Naphthalene	28.3	2.0	0.44	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

Page 2 of 2

Client Sample ID:	MW-1	Date Sampled:	09/27/07
Lab Sample ID:	F52890-1	Date Received:	09/28/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 624		
Project:	Pantry 3948; Statesville, NC		

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	216 a	100	27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	280 a	300	56	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	111%	76-127%
2037-26-5	Toluene-D8	100%	98%	86-112%
460-00-4	4-Bromofluorobenzene	91%	101%	84-120%

(a) Result is from Run# 2

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Page 1 of 3

Client Sample ID:	MW-1	Date Sampled:	09/27/07
Lab Sample ID:	F52890-1	Date Received:	09/28/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 625 EPA 625		
Project:	Pantry 3948; Statesville, NC		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	U005206.D	1	10/06/07	NJ	10/04/07	OP22630	SU242

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

## ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.97	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	1.9	ug/l	
95-48-7	2-Methylphenol	4.2	4.9	0.97	ug/l	J
	3&4-Methylphenol	1.4	4.9	1.3	ug/l	J
88-75-5	2-Nitrophenol	ND	4.9	0.97	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	2.6	4.9	1.9	ug/l	J
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.97	ug/l	
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	1.9	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.97	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 2 of 3

Client Sample ID:	MW-1	Date Sampled:	09/27/07
Lab Sample ID:	F52890-1	Date Received:	09/28/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 625 EPA 625		
Project:	Pantry 3948; Statesville, NC		

## ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.97	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.97	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	9.0	4.9	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.97	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	0.97	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-62%
4165-62-2	Phenol-d5	22%		10-40%
118-79-6	2,4,6-Tribromophenol	79%		33-118%
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	73%		39-121%

ND = Not detected MDL - Method Detection Limit

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## Report of Analysis

Page 3 of 3

Client Sample ID:	MW-1	Date Sampled:	09/27/07
Lab Sample ID:	F52890-1	Date Received:	09/28/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 625 EPA 625		
Project:	Pantry 3948; Statesville, NC		

## ABN List for NC

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
108	Toluene	2.32	85	ug/l	JN
100	Ethylbenzene	3.21	16	ug/l	JN
108	Benzene, 1,3-dimethyl-	3.47	100	ug/l	JN
620	Benzene, 1-ethyl-3-methyl-	3.97	29	ug/l	JN
622	Benzene, 1-ethyl-4-methyl-	3.99	17	ug/l	JN
526	Benzene, 1,2,3-trimethyl-	4.03	30	ug/l	JN
108	Benzene, 1,3,5-trimethyl-	4.19	100	ug/l	JN
496	Indane	4.45	31	ug/l	JN
29559	Hydrazine, 2-ethyl-1,1-dimethyl-	4.85	100	ug/l	JN
1000132	6-Ethoxy-6-methyl-2-cyclohexenone	4.88	23	ug/l	JN
488	Benzene, 1,2,3,4-tetramethyl-	4.90	8.2	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	4.92	10	ug/l	JN
1000221	Tetrahydrofuran-2-one,-4,4,5,5-te	4.97	13	ug/l	JN
118	Benzoic acid, 2-methyl-	5.62	12	ug/l	JN
83	1H-Inden-1-one, 2,3-dihydro-	5.93	21	ug/l	JN
622	p-Tolylacetic acid	6.32	42	ug/l	JN
480	Benzoic acid, 2,4,6-trimethyl-	6.83	21	ug/l	JN
6331	Acetic acid, (2,4-xylyl)-	6.96	11	ug/l	JN
54120	1(3H)-Isobenzofuranone, 5-methyl-	7.24	8.2	ug/l	JN
128	Butylated Hydroxytoluene	7.48	12	ug/l	JN
	Total TIC, Semi-Volatile		689.4	ug/l	J

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1



Client Sample ID:	MW-1	Date Sampled:	09/27/07
Lab Sample ID:	F52890-1	Date Received:	09/28/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADEP VPH		
Project:	Pantry 3948; Statesville, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028840.D	2	10/04/07	MM	n/a	n/a	GUV1662
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

## MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	875	150	100	ug/l	
	C9- C12 Aliphatics (Unadj.)	696	110	60	ug/l	
	C9- C10 Aromatics (Unadj.)	437	40	20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	106%		70-130%
460-00-4	BFB	103%		70-130%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1	Date Sampled:	09/27/07
Lab Sample ID:	F52890-1	Date Received:	09/28/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 504.1 EPA 504		
Project:	Pantry 3948; Statesville, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD41855.D	1	10/06/07	AA	10/02/07	OP22594	GDD1143
Run #2							

	Initial Volume	Final Volume
Run #1	36.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	99%			63-137%	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1	Date Sampled:	09/27/07				
Lab Sample ID:	F52890-1	Date Received:	09/28/07				
Matrix:	AQ - Ground Water	Percent Solids:	n/a				
Method:	MADEP-EPH-98-1 SW846 3510C						
Project:	Pantry 3948; Statesville, NC						
Run #1 <sup>a</sup>	ZF25586.D	DF 1	Analyzed 10/09/07	By MG	Prep Date 10/04/07	Prep Batch OP22632	Analytical Batch GZF1150
Run #2 <sup>b</sup>	ZF25634.D	1	10/11/07	MG	10/04/07	OP22632	GZF1152
Run #1	1030 ml	Initial Volume	2.0 ml	Final Volume			
Run #2	1030 ml		2.0 ml				

## MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	150	ug/l	
	C9-C18 Aliphatics	537	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
3386-33-2	1-Chlorooctadecane	84%	76%	40-140%		
580-13-2	2-Bromonaphthalene	30%	48%	40-140%		
84-15-1	o-Terphenyl	47%	29%	40-140%		
321-60-8	2-Fluorobiphenyl	47%	42%	40-140%		

(a) Surrogate recoveries outside of control limits, all values are considered estimated. Insufficient sample for reextraction.

(b) Confirmation run.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1	Date Sampled:	09/27/07
Lab Sample ID:	F52890-1	Date Received:	09/28/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Pantry 3948; Statesville, NC		

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	< 5.0	5.0	ug/l	1	09/28/07	09/28/07 RS	SW846 6010B <sup>1</sup>	SM 3030C <sup>2</sup>

(1) Instrument QC Batch: MA6011

(2) Prep QC Batch: MP13036

RL = Reporting Limit



## Misc. Forms

### Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



23779

# Accutest Laboratories Southeast Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, FL 32811  
TEL. 407-425-6700 • FAX: 407-425-0707  
[www.accutest.com](http://www.accutest.com)

Accutest JOB # **F52890** PAGE 1 OF 1

Accutest Quote # **SKIFF#**

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes																	
<b>Company Name</b> <b>SEI ENVIRONMENTAL</b> <b>Address</b> <b>5100 REAGAN DR</b> <b>City</b> <b>CHARLOTTE</b> <b>State</b> <b>NC</b> <b>Zip</b> <b>28206</b> <b>Project Contact</b> <b>DAVID PEESTER</b> <b>Phone#</b> <b>919-832-2535</b> <b>Sampler(s) Name(s) (Printed)</b> <b>H. PEESTER</b>		<b>Project Name</b> <b>PANTRY 3948</b> <b>Street</b> <b>HWY 21-1-140</b> <b>City</b> <b>STATESVILLE</b> <b>State</b> <b>NC</b> <b>Project #</b> <b>507045</b> <b>Fax #</b> <b>Client Purchase Order #</b>		<b>Sample ID</b> <b>1</b> <b>Collection Date</b> <b>9/27/07</b> <b>Time</b> <b>14:32:6</b> <b>Sampled By</b> <b>HPE</b> <b>Matrix</b> <b>SPH</b> <b>Total # of Bottles</b> <b>12</b> <b>Other</b> <b>625+TICS</b> <b>Location</b> <b>3030 c (P6)</b> <b>Source</b> <b>504.1 (EDB)</b> <b>Method</b> <b>KOPI</b>		<b>DW</b> - Drinking Water <b>GW</b> - Ground Water <b>WW</b> - Water <b>SW</b> - Surface Water <b>SO</b> - Soil <b>SL</b> - Sludge <b>O</b> - Oil <b>LQ</b> - Other Liquid <b>AR</b> - Air <b>SOL</b> - Other Solid <b>WP</b> - Wipe																	
<b>Accutest Sample #</b> <b>Field ID / Point of Collection</b> <b>MW-1</b>						<b>LAB USE ONLY</b>																	
<b>TURNAROUND TIME (Business Days)</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="width: 20%;">Approved By: / Rush Code</td> <td colspan="2" style="width: 20%;">Data Deliverable Information</td> <td colspan="4" style="width: 60%;">Comments / Remarks</td> </tr> <tr> <td colspan="2"> <input checked="" type="checkbox"/> 10 Day Standard  <input type="checkbox"/> 7 Day RUSH  <input type="checkbox"/> 5 Day RUSH  <input type="checkbox"/> 3 Day EMERGENCY  <input type="checkbox"/> 2 Day EMERGENCY  <input type="checkbox"/> 1 Day EMERGENCY  <input type="checkbox"/> OTHER             </td> <td colspan="2"> <input type="checkbox"/> COMMERCIAL "A" (RESULTS ONLY)  <input type="checkbox"/> COMMERCIAL "B" (RESULTS PLUS QC)  <input type="checkbox"/> REDT1 (EPA LEVEL 3)  <input type="checkbox"/> FULT1 (EPA LEVEL 4)  <input type="checkbox"/> EDD'S             </td> <td colspan="4"> <b>PLEASE INCLUDE MDL</b> </td> </tr> </table>								Approved By: / Rush Code		Data Deliverable Information		Comments / Remarks				<input checked="" type="checkbox"/> 10 Day Standard <input type="checkbox"/> 7 Day RUSH <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> OTHER		<input type="checkbox"/> COMMERCIAL "A" (RESULTS ONLY) <input type="checkbox"/> COMMERCIAL "B" (RESULTS PLUS QC) <input type="checkbox"/> REDT1 (EPA LEVEL 3) <input type="checkbox"/> FULT1 (EPA LEVEL 4) <input type="checkbox"/> EDD'S		<b>PLEASE INCLUDE MDL</b>			
Approved By: / Rush Code		Data Deliverable Information		Comments / Remarks																			
<input checked="" type="checkbox"/> 10 Day Standard <input type="checkbox"/> 7 Day RUSH <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> OTHER		<input type="checkbox"/> COMMERCIAL "A" (RESULTS ONLY) <input type="checkbox"/> COMMERCIAL "B" (RESULTS PLUS QC) <input type="checkbox"/> REDT1 (EPA LEVEL 3) <input type="checkbox"/> FULT1 (EPA LEVEL 4) <input type="checkbox"/> EDD'S		<b>PLEASE INCLUDE MDL</b>																			
<i>Sample Custody must be documented below each time samples change possession, including courier delivery.</i>																							
<b>Relinquished by Sampler:</b> <b>1 HPE</b>		<b>Date Time</b> <b>9/27/07 7:00</b> <b>Received By:</b> <b>FX</b>		<b>Relinquished by:</b> <b>2</b> <b>3</b>		<b>Date Time:</b> <b>4</b> <b>E.Torres</b>																	
<b>Relinquished by:</b> <b>5</b> <b>6</b>		<b>Date Time:</b> <b>7</b>		<b>Relinquished by:</b> <b>8</b>		<b>Date Time:</b> <b>9-28-07 09:11</b> <b>Received By:</b>																	
<b>Lab Use Only: Custody Seal in Place:</b> <b>Y</b> <b>N</b> <b>Temp Blank Provided:</b> <b>Y</b> <b>N</b> <b>Preserved where Applicable:</b> <b>Y</b> <b>N</b> <b>Total # of Coolers:</b> <b>1</b> <b>Cooler Temperature (°) Celsius:</b> <b>15</b>																							

**F52890: Chain of Custody**

**Page 1 of 2**

## ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F52890 CLIENT: SEI PROJECT: Pantry 3948  
 DATE/TIME RECEIVED: 9-28-07 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 7.4  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER  
 AIRBILL NUMBERS: 8626 7690 3690

3.1

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

- NUMBER OF ENCORES ? 0  
 NUMBER OF 5035 FIELD KITS ? 0  
 NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

SAMPLE INFORMATION

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
  - CORRECT NUMBER OF CONTAINERS USED
  - SAMPLE RECEIVED IMPROPERLY PRESERVED
  - INSUFFICIENT VOLUME FOR ANALYSIS
  - TIMES ON COC DOES NOT MATCH LABEL(S)
  - ID'S ON COC DOES NOT MATCH LABEL(S)
  - VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
  - BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
  - NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
  - UNCLEAR FILTERING INSTRUCTIONS
  - UNCLEAR COMPOSITING INSTRUCTIONS
  - SAMPLE CONTAINER(S) RECEIVED BROKEN
  - % SOLIDS JAR NOT RECEIVED
  - 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
  - RESIDUAL CHLORINE PRESENT
- (APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE E-TI 9-28-07TECHNICIAN SIGNATURE/DATE J-Utz 9/28/07

ASBD 10/03/06

F52890: Chain of Custody

Page 2 of 2



IT'S ALL IN THE CHEMISTRY

## GC/MS Volatiles

### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 2

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN928-MB	N0021755.D 1		10/04/07	MM	n/a	n/a	VN928

14  
4

The QC reported here applies to the following samples:

Method: EPA 624

F52890-1

CAS No.	Compound	Result	RL	MDL	Units	Q
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	4.1	5.0	1.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	

## Method Blank Summary

Page 2 of 2

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN928-MB	N0021755.D 1		10/04/07	MM	n/a	n/a	VN928

The QC reported here applies to the following samples:

Method: EPA 624

F52890-1

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	99% 87-116%
17060-07-0	1,2-Dichloroethane-D4	100% 76-127%
2037-26-5	Toluene-D8	109% 86-112%
460-00-4	4-Bromofluorobenzene	107% 84-120%

## Method Blank Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF469-MB	F023889.D	1	10/09/07	WJ	n/a	n/a	VF469

The QC reported here applies to the following samples:

Method: EPA 624

F52890-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	105% 87-116%
17060-07-0	1,2-Dichloroethane-D4	105% 76-127%
2037-26-5	Toluene-D8	97% 86-112%
460-00-4	4-Bromofluorobenzene	101% 84-120%

# Blank Spike Summary

Page 1 of 2

Job Number: F52890  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN928-BS	N0021754.D 1		10/04/07	MM	n/a	n/a	VN928

42  
4

The QC reported here applies to the following samples:

Method: EPA 624

F52890-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-27-4	Bromodichloromethane	25	25.4	102	76-116
75-25-2	Bromoform	25	25.7	103	68-128
108-90-7	Chlorobenzene	25	27.8	111	87-115
75-00-3	Chloroethane	25	27.8	111	54-166
67-66-3	Chloroform	25	25.8	103	85-123
110-75-8	2-Chloroethyl vinyl ether	125	116	93	63-125
56-23-5	Carbon tetrachloride	25	27.0	108	74-139
75-34-3	1,1-Dichloroethane	25	25.4	102	82-127
75-35-4	1,1-Dichloroethylene	25	24.4	98	75-133
107-06-2	1,2-Dichloroethane	25	24.8	99	76-122
78-87-5	1,2-Dichloropropane	25	24.1	96	81-120
108-20-3	Di-Isopropyl ether	25	23.4	94	75-125
124-48-1	Dibromochloromethane	25	23.9	96	74-116
75-71-8	Dichlorodifluoromethane	25	53.5	214*	34-158
156-59-2	cis-1,2-Dichloroethylene	25	23.1	92	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.0	100	83-119
541-73-1	m-Dichlorobenzene	25	26.4	106	86-115
95-50-1	o-Dichlorobenzene	25	27.8	111	85-115
106-46-7	p-Dichlorobenzene	25	26.8	107	87-113
156-60-5	trans-1,2-Dichloroethylene	25	25.1	100	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.8	115	87-123
100-41-4	Ethylbenzene	25	25.8	103	87-118
74-83-9	Methyl bromide	25	25.9	104	55-151
74-87-3	Methyl chloride	25	33.3	133	55-173
75-09-2	Methylene chloride	25	26.1	104	69-125
1634-04-4	Methyl Tert Butyl Ether	25	22.9	92	75-116
91-20-3	Naphthalene	25	22.2	89	59-125
71-55-6	1,1,1-Trichloroethane	25	26.2	105	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	71-120
79-00-5	1,1,2-Trichloroethane	25	25.3	101	80-114
127-18-4	Tetrachloroethylene	25	29.0	116	80-131
79-01-6	Trichloroethylene	25	25.4	102	85-124
75-69-4	Trichlorofluoromethane	25	20.0	80	66-156
75-01-4	Vinyl chloride	25	29.5	118	57-153

## Blank Spike Summary

Page 2 of 2

Job Number: F52890  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN928-BS	N0021754.D 1		10/04/07	MM	n/a	n/a	VN928

42

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The QC reported here applies to the following samples:

Method: EPA 624

F52890-1

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	95%	84-120%

## Blank Spike Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF469-BS	F023888.D	1	10/09/07	WJ	n/a	n/a	VF469

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The QC reported here applies to the following samples:

Method: EPA 624

F52890-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.9	96	83-124
108-88-3	Toluene	25	23.7	95	86-116
1330-20-7	Xylene (total)	75	72.6	97	86-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: F52890  
 Account: SEINCR SEI Environmental-Raleigh  
 Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52953-5MS	N0021762.D	1	10/04/07	MM	n/a	n/a	VN928
F52953-5MSD	N0021763.D	1	10/04/07	MM	n/a	n/a	VN928
F52953-5	N0021759.D	1	10/04/07	MM	n/a	n/a	VN928

The QC reported here applies to the following samples:

Method: EPA 624

F52890-1

CAS No.	Compound	F52953-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-27-4	Bromodichloromethane	1.0 U	25	24.8	99	25.4	102	2		76-116/10
75-25-2	Bromoform	1.0 U	25	25.4	102	26.2	105	3		68-128/11
108-90-7	Chlorobenzene	1.0 U	25	27.7	111	27.4	110	1		87-115/9
75-00-3	Chloroethane	2.0 U	25	27.3	109	26.7	107	2		54-166/20
67-66-3	Chloroform	1.0 U	25	26.1	104	24.9	100	5		85-123/10
110-75-8	2-Chloroethyl vinyl ether	5.0 U	125	ND	0*	ND	0*	nc		63-125/24
56-23-5	Carbon tetrachloride	1.0 U	25	25.8	103	25.7	103	0		74-139/13
75-34-3	1,1-Dichloroethane	1.0 U	25	24.5	98	24.5	98	0		82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U	25	22.3	89	22.2	89	0		75-133/13
107-06-2	1,2-Dichloroethane	1.0 U	25	25.8	103	25.0	100	3		76-122/11
78-87-5	1,2-Dichloropropane	1.0 U	25	24.5	98	23.9	96	2		81-120/11
108-20-3	Di-Isopropyl ether	1.0 U	25	21.2	85	21.9	88	3		75-125/10
124-48-1	Dibromochloromethane	1.0 U	25	22.4	90	23.1	92	3		74-116/11
75-71-8	Dichlorodifluoromethane	2.0 U	25	42.3	169*	50.2	201*	17		34-158/22
156-59-2	cis-1,2-Dichloroethylene	1.0 U	25	21.4	86	21.5	86	0		81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U	25	21.8	87	22.6	90	4		83-119/10
541-73-1	m-Dichlorobenzene	1.0 U	25	25.4	102	25.7	103	1		86-115/9
95-50-1	o-Dichlorobenzene	1.0 U	25	27.1	108	27.6	110	2		85-115/9
106-46-7	p-Dichlorobenzene	1.0 U	25	26.8	107	26.9	108	0		87-113/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U	25	23.9	96	24.0	96	0		82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U	25	28.1	112	28.8	115	2		87-123/10
100-41-4	Ethylbenzene	1.0 U	25	25.4	102	25.6	102	1		87-118/10
74-83-9	Methyl bromide	2.0 U	25	25.4	102	24.3	97	4		55-151/21
74-87-3	Methyl chloride	2.0 U	25	32.0	128	34.1	136	6		55-173/22
75-09-2	Methylene chloride	5.0 U	25	20.6	82	20.8	83	1		69-125/11
1634-04-4	Methyl Tert Butyl Ether	1.0 U	25	20.9	84	21.7	87	4		75-116/10
91-20-3	Naphthalene	2.0 U	25	20.7	83	23.1	92	11		59-125/15
71-55-6	1,1,1-Trichloroethane	1.0 U	25	25.2	101	25.6	102	2		79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	25	26.1	104	26.5	106	2		71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U	25	25.4	102	25.9	104	2		80-114/11
127-18-4	Tetrachloroethylene	1.0 U	25	27.6	110	27.5	110	0		80-131/12
79-01-6	Trichloroethylene	1.0 U	25	26.0	104	25.3	101	3		85-124/10
75-69-4	Trichlorofluoromethane	2.0 U	25	28.1	112	28.8	115	2		66-156/15
75-01-4	Vinyl chloride	1.0 U	25	28.7	115	28.3	113	1		57-153/22

4.3  
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## Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 2

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52953-5MS	N0021762.D	1	10/04/07	MM	n/a	n/a	VN928
F52953-5MSD	N0021763.D	1	10/04/07	MM	n/a	n/a	VN928
F52953-5	N0021759.D	1	10/04/07	MM	n/a	n/a	VN928

43  
4

The QC reported here applies to the following samples:

Method: EPA 624

F52890-1

CAS No.	Surrogate Recoveries	MS	MSD	F52953-5	Limits
1868-53-7	Dibromofluoromethane	100%	101%	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	101%	76-127%
2037-26-5	Toluene-D8	94%	96%	108%	86-112%
460-00-4	4-Bromofluorobenzene	93%	95%	103%	84-120%

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52890-1MS	F023910.D	100	10/09/07	WJ	n/a	n/a	VF469
F52890-1MSD	F023911.D	100	10/09/07	WJ	n/a	n/a	VF469
F52890-1	F023893.D	100	10/09/07	WJ	n/a	n/a	VF469

The QC reported here applies to the following samples:

Method: EPA 624

F52890-1

CAS No.	Compound	F52890-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	344		2500	2800	98	2750	96	2	83-124/11
108-88-3	Toluene	216		2500	2620	96	2660	98	2	86-116/10
1330-20-7	Xylene (total)	280	J	7500	8210	106	8030	103	2	86-120/10

CAS No.	Surrogate Recoveries	MS	MSD	F52890-1	Limits
1868-53-7	Dibromofluoromethane	108%	106%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	117%	111%	111%	76-127%
2037-26-5	Toluene-D8	97%	100%	98%	86-112%
460-00-4	4-Bromofluorobenzene	101%	102%	101%	84-120%



IT'S ALL IN THE CHEMISTRY

## GC/MS Semi-volatiles



### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 3

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22630-MB	U005204.D	1	10/06/07	NJ	10/04/07	OP22630	SU242

The QC reported here applies to the following samples:

Method: EPA 625

F52890-1

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.1	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.3	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	

## Method Blank Summary

Page 2 of 3

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22630-MB	U005204.D	1	10/06/07	NJ	10/04/07	OP22630	SU242

The QC reported here applies to the following samples:

Method: EPA 625

F52890-1

CAS No.	Compound	Result	RL	MDL	Units	Q
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/l	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	37% 14-62%
4165-62-2	Phenol-d5	22% 10-40%
118-79-6	2,4,6-Tribromophenol	70% 33-118%
4165-60-0	Nitrobenzene-d5	70% 42-108%
321-60-8	2-Fluorobiphenyl	66% 40-106%
1718-51-0	Terphenyl-d14	76% 39-121%

## Method Blank Summary

Page 3 of 3

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22630-MB	U005204.D	1	10/06/07	NJ	10/04/07	OP22630	SU242

The QC reported here applies to the following samples:

Method:

F52890-1

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
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Total TIC, Semi-Volatile <sup>a</sup>	0.00	ug/l
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(a) No TICs detected.

5.1  
G

# Blank Spike Summary

Page 1 of 3

Job Number: F52890  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22630-BS	U005203.D	1	10/05/07	NJ	10/04/07	OP22630	SU242

The QC reported here applies to the following samples:

Method: EPA 625

F52890-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	16.6	17	10-50
95-57-8	2-Chlorophenol	50	36.0	72	44-103
59-50-7	4-Chloro-3-methyl phenol	50	37.3	75	53-105
120-83-2	2,4-Dichlorophenol	50	39.3	79	53-108
105-67-9	2,4-Dimethylphenol	50	29.8	60	37-91
51-28-5	2,4-Dinitrophenol	100	73.9	74	37-111
534-52-1	4,6-Dinitro-o-cresol	100	80.4	80	62-115
95-48-7	2-Methylphenol	50	31.9	64	35-91
	3&4-Methylphenol	100	56.3	56	32-85
88-75-5	2-Nitrophenol	50	38.7	77	49-111
100-02-7	4-Nitrophenol	100	26.2	26	13-55
87-86-5	Pentachlorophenol	100	69.7	70	57-118
108-95-2	Phenol	50	12.6	25	13-54
88-06-2	2,4,6-Trichlorophenol	50	38.2	76	58-107
83-32-9	Acenaphthene	50	37.9	76	58-106
208-96-8	Acenaphthylene	50	37.4	75	58-105
120-12-7	Anthracene	50	39.4	79	65-108
56-55-3	Benzo(a)anthracene	50	38.3	77	63-111
50-32-8	Benzo(a)pyrene	50	39.1	78	62-106
205-99-2	Benzo(b)fluoranthene	50	39.4	79	63-109
191-24-2	Benzo(g,h,i)perylene	50	37.9	76	61-111
207-08-9	Benzo(k)fluoranthene	50	40.1	80	64-111
101-55-3	4-Bromophenyl phenyl ether	50	39.7	79	64-107
85-68-7	Butyl benzyl phthalate	50	39.7	79	59-114
100-51-6	Benzyl Alcohol	50	32.3	65	34-98
91-58-7	2-Chloronaphthalene	50	37.7	75	54-105
106-47-8	4-Chloroaniline	50	39.9	80	53-103
218-01-9	Chrysene	50	39.8	80	64-111
111-91-1	bis(2-Chloroethoxy)methane	38	28.6	75 a	48-101
111-44-4	bis(2-Chloroethyl)ether	50	37.5	75	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	38.2	76	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	37.4	75	61-107
95-50-1	1,2-Dichlorobenzene	50	37.3	75	41-102
122-66-7	1,2-Diphenylhydrazine	50	39.0	78	61-110
541-73-1	1,3-Dichlorobenzene	50	35.1	70	38-100
106-46-7	1,4-Dichlorobenzene	50	35.7	71	40-100

5.2

## Blank Spike Summary

Page 2 of 3

Job Number: F52890  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22630-BS	U005203.D	1	10/05/07	NJ	10/04/07	OP22630	SU242

The QC reported here applies to the following samples:

Method: EPA 625

F52890-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	50	36.3	73	60-109
606-20-2	2,6-Dinitrotoluene	50	34.8	70	58-104
91-94-1	3,3'-Dichlorobenzidine	50	38.1	76	57-105
53-70-3	Dibenz(a,h)anthracene	50	37.4	75	62-112
132-64-9	Dibenzofuran	50	38.5	77	61-108
84-74-2	Di-n-butyl phthalate	50	39.2	78	62-109
117-84-0	Di-n-octyl phthalate	50	41.3	83	60-120
84-66-2	Diethyl phthalate	50	38.8	78	62-109
131-11-3	Dimethyl phthalate	50	38.6	77	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	40.2	80	59-116
206-44-0	Fluoranthene	50	39.6	79	65-114
86-73-7	Fluorene	50	38.1	76	61-106
118-74-1	Hexachlorobenzene	50	39.0	78	62-107
87-68-3	Hexachlorobutadiene	50	38.5	77	38-107
77-47-4	Hexachlorocyclopentadiene	50	29.1	58	19-84
67-72-1	Hexachloroethane	50	35.8	72	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	37.7	75	61-113
78-59-1	Isophorone	50	38.8	78	56-111
91-57-6	2-Methylnaphthalene	50	39.4	79	56-112
91-20-3	Naphthalene	50	37.9	76	50-104
98-95-3	Nitrobenzene	50	37.8	76	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	37.5	75	51-104
86-30-6	N-Nitrosodiphenylamine	50	38.2	76	57-110
85-01-8	Phenanthrene	50	39.4	79	65-108
129-00-0	Pyrene	50	40.9	82	60-113
120-82-1	1,2,4-Trichlorobenzene	50	37.7	75	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	43%	14-62%
4165-62-2	Phenol-d5	27%	10-40%
118-79-6	2,4,6-Tribromophenol	77%	33-118%
4165-60-0	Nitrobenzene-d5	75%	42-108%
321-60-8	2-Fluorobiphenyl	74%	40-106%
1718-51-0	Terphenyl-d14	80%	39-121%

5.2  
5

## Blank Spike Summary

Page 3 of 3

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22630-BS	U005203.D	1	10/05/07	NJ	10/04/07	OP22630	SU242

The QC reported here applies to the following samples:

Method: EPA 625

F52890-1

(a) Spike recoveries corrected for actual spike amount.

5.2  
51

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: F52890  
 Account: SEINCR SEI Environmental-Raleigh  
 Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22630-MS	U005207.D	1	10/06/07	NJ	10/04/07	OP22630	SU242
OP22630-MSD	U005208.D	1	10/06/07	NJ	10/04/07	OP22630	SU242
F52890-1	U005206.D	1	10/06/07	NJ	10/04/07	OP22630	SU242

The QC reported here applies to the following samples:

Method: EPA 625

F52890-1

CAS No.	Compound	F52890-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		192	99.1	52*	76.0	40	26	10-50/40
95-57-8	2-Chlorophenol	ND		96.2	72.1	75	60.3	63	18	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	74.3	77	67.4	70	10	53-105/24
120-83-2	2,4-Dichlorophenol	ND		96.2	76.7	80	65.6	68	16	53-108/26
105-67-9	2,4-Dimethylphenol	ND		96.2	68.3	71	59.2	62	14	37-91/28
51-28-5	2,4-Dinitrophenol	ND		192	148	77	137	71	8	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		192	155	81	141	73	9	62-115/26
95-48-7	2-Methylphenol	4.2	J	96.2	76.7	75	64.6	63	17	35-91/30
	3&4-Methylphenol	1.4	J	192	140	72	114	59	20	32-85/29
88-75-5	2-Nitrophenol	ND		96.2	74.2	77	63.7	66	15	49-111/30
100-02-7	4-Nitrophenol	ND		192	94.0	49	69.9	36	29	13-55/31
87-86-5	Pentachlorophenol	ND		192	152	79	140	73	8	57-118/26
108-95-2	Phenol	2.6	J	96.2	56.7	56*	37.4	36	41*	13-54/34
88-06-2	2,4,6-Trichlorophenol	ND		96.2	76.0	79	67.5	70	12	58-107/24
83-32-9	Acenaphthene	ND		96.2	75.0	78	67.4	70	11	58-105/21
208-96-8	Acenaphthylene	ND		96.2	74.1	77	65.4	68	12	58-105/21
120-12-7	Anthracene	ND		96.2	76.7	80	72.2	75	6	65-108/19
56-55-3	Benzo(a)anthracene	ND		96.2	74.9	78	69.4	72	8	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	76.5	80	70.7	74	8	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	77.2	80	69.4	72	11	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	73.8	77	68.6	71	7	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	78.3	81	72.2	75	8	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	76.6	80	71.3	74	7	64-107/20
85-68-7	Butyl benzyl phthalate	ND		96.2	78.2	81	71.0	74	10	59-114/20
100-51-6	Benzyl Alcohol	ND		96.2	75.8	79	63.0	66	18	34-98/27
91-58-7	2-Chloronaphthalene	ND		96.2	73.7	77	64.6	67	13	54-105/24
106-47-8	4-Chloroaniline	ND		96.2	72.0	75	62.9	65	13	53-103/22
218-01-9	Chrysene	ND		96.2	77.0	80	71.1	74	8	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		73.1	55.9	76 <sup>a</sup>	48.8	67 <sup>a</sup>	14	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	73.2	76	62.9	65	15	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	71.3	74	62.3	65	13	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	74.2	77	67.1	70	10	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		96.2	77.3	80	65.2	68	17	41-102/28
122-66-7	1,2-Diphenylhydrazine	ND		96.2	75.0	78	69.5	72	8	61-110/20
541-73-1	1,3-Dichlorobenzene	ND		96.2	74.3	77	61.9	64	18	38-100/28
106-46-7	1,4-Dichlorobenzene	ND		96.2	74.1	77	62.2	65	17	40-100/28



# Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22630-MS	U005207.D	1	10/06/07	NJ	10/04/07	OP22630	SU242
OP22630-MSD	U005208.D	1	10/06/07	NJ	10/04/07	OP22630	SU242
F52890-1	U005206.D	1	10/06/07	NJ	10/04/07	OP22630	SU242

The QC reported here applies to the following samples:

Method: EPA 625

F52890-1

CAS No.	Compound	F52890-1 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
121-14-2	2,4-Dinitrotoluene	ND	96.2	70.3	73	63.9	66	10	60-109/20
606-20-2	2,6-Dinitrotoluene	ND	96.2	70.5	73	64.7	67	9	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND	96.2	62.3	65	58.5	61	6	57-105/25
53-70-3	Dibenz(a,h)anthracene	ND	96.2	74.2	77	69.7	72	6	62-112/20
132-64-9	Dibenzofuran	ND	96.2	74.5	77	67.1	70	10	61-108/20
84-74-2	Di-n-butyl phthalate	ND	96.2	77.0	80	71.3	74	8	62-109/20
117-84-0	Di-n-octyl phthalate	ND	96.2	82.2	85	94.3	98	14	60-120/24
84-66-2	Diethyl phthalate	ND	96.2	76.4	79	69.7	72	9	62-109/19
131-11-3	Dimethyl phthalate	ND	96.2	75.3	78	68.6	71	9	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND	96.2	78.4	82	89.0	93	13	59-116/21
206-44-0	Fluoranthene	ND	96.2	76.8	80	71.7	75	7	65-114/21
86-73-7	Fluorene	ND	96.2	75.3	78	68.1	71	10	61-106/19
118-74-1	Hexachlorobenzene	ND	96.2	75.7	79	69.0	72	9	62-107/20
87-68-3	Hexachlorobutadiene	ND	96.2	78.9	82	68.9	72	14	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND	96.2	62.8	65	53.0	55	17	19-84/35
67-72-1	Hexachloroethane	ND	96.2	75.0	78	63.0	66	17	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND	96.2	74.8	78	69.2	72	8	61-113/20
78-59-1	Isophorone	ND	96.2	75.7	79	65.2	68	15	56-111/26
91-57-6	2-Methylnaphthalene	ND	96.2	76.1	79	66.8	69	13	56-112/26
91-20-3	Naphthalene	9.0	96.2	81.3	75	72.7	66	11	50-104/28
98-95-3	Nitrobenzene	ND	96.2	72.6	76	64.7	67	12	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND	96.2	73.2	76	63.9	66	14	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND	96.2	75.0	78	68.7	71	9	57-110/19
85-01-8	Phenanthrene	ND	96.2	76.5	80	71.1	74	7	65-108/20
129-00-0	Pyrene	ND	96.2	79.8	83	73.3	76	8	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND	96.2	75.4	78	64.4	67	16	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F52890-1	Limits
367-12-4	2-Fluorophenol	63%*	48%	37%	14-62%
4165-62-2	Phenol-d5	50%*	36%	22%	10-40%
118-79-6	2,4,6-Tribromophenol	76%	70%	79%	33-118%
4165-60-0	Nitrobenzene-d5	73%	64%	70%	42-108%
321-60-8	2-Fluorobiphenyl	75%	64%	70%	40-106%
1718-51-0	Terphenyl-d14	80%	69%	73%	39-121%



## Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22630-MS	U005207.D	1	10/06/07	NJ	10/04/07	OP22630	SU242
OP22630-MSD	U005208.D	1	10/06/07	NJ	10/04/07	OP22630	SU242
F52890-1	U005206.D	1	10/06/07	NJ	10/04/07	OP22630	SU242

The QC reported here applies to the following samples:

Method: EPA 625

F52890-1

(a) Spike recoveries corrected for actual spike amount.





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## GC Volatiles



### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1662-MB	UV028833.D1		10/04/07	MM	n/a	n/a	GUV1662

The QC reported here applies to the following samples:

Method: MADEP VPH

F52890-1

6.1  
6

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No. Surrogate Recoveries Limits

460-00-4	BFB	89%	70-130%
460-00-4	BFB	85%	70-130%

## Method Blank Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22594-MB	DD41845.D	1	10/06/07	AA	10/02/07	OP22594	GDD1143

The QC reported here applies to the following samples:

Method: EPA 504.1

F52890-1

6.1



CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.010	ug/l	

CAS No.	Surrogate Recoveries	Limits
460-00-4	4-Bromofluorobenzene	66% 63-137%

## Blank Spike Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1662-BS	UV028832.D1		10/04/07	MM	n/a	n/a	GUV1662

The QC reported here applies to the following samples:

Method: MADEP VPH

F52890-1

6.2



CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
	C5- C8 Aliphatics (Unadj.)	480	401	84	70-130
	C9- C12 Aliphatics (Unadj.)	480	495	103	70-130
	C9- C10 Aromatics (Unadj.)	80	73.7	92	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	BFB	104%	70-130%
460-00-4	BFB	95%	70-130%

## Blank Spike Summary

Page 1 of 1

Job Number: F52890  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22594-BS	DD41843.D	1	10/06/07	AA	10/02/07	OP22594	GDD1143

The QC reported here applies to the following samples:

Method: EPA 504.1

F52890-1

62



CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.23	92	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	84%	63-137%

## Blank Spike Summary

Page 1 of 1

Job Number: F52890  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22594-BS2	DD41844.D	1	10/06/07	AA	10/02/07	OP22594	GDD1143

The QC reported here applies to the following samples:

Method: EPA 504.1

F52890-1

62

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.23	92	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	77%	63-137%

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52890-1MS	UV028838.D1		10/04/07	MM	n/a	n/a	GUV1662
F52890-1MSD	UV028839.D1		10/04/07	MM	n/a	n/a	GUV1662
F52890-1	UV028840.D2		10/04/07	MM	n/a	n/a	GUV1662

The QC reported here applies to the following samples:

Method: MADEP VPH

F52890-1

g  
5

CAS No.	Compound	F52890-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	C5- C8 Aliphatics (Unadj.)	875		480	1520	134*	1550	141*	.2	70-130/50
	C9- C12 Aliphatics (Unadj.)	696		480	1280	122	1280	122	0	70-130/50
	C9- C10 Aromatics (Unadj.)	437		80	541	130	542	131* <sup>a</sup>	0	70-130/50

CAS No.	Surrogate Recoveries	MS	MSD	F52890-1	Limits
460-00-4	BFB	112%	103%	106%	70-130%
460-00-4	BFB	103%	100%	103%	70-130%

(a) Outside control limits due to high level in sample relative to spike amount.

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22594-MS	DD41847.D	1	10/06/07	AA	10/02/07	OP22594	GDD1143
OP22594-MSD	DD41848.D	1	10/06/07	AA	10/02/07	OP22594	GDD1143
F52903-1	DD41846.D	1	10/06/07	AA	10/02/07	OP22594	GDD1143

The QC reported here applies to the following samples:

Method: EPA 504.1

F52890-1

CAS No.	Compound	F52903-1 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-93-4	1,2-Dibromoethane	0.019	U	0.243	0.19	78	0.19	80	0 70-130/25
<hr/>									
CAS No.	Surrogate Recoveries	MS	MSD	F52903-1	Limits				
460-00-4	4-Bromofluorobenzene	68%	74%	79%	63-137%				

## Duplicate Summary

Page 1 of 1

Job Number: F52890  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52890-1DUP	UV028841.D2		10/04/07	MM	n/a	n/a	GUV1662
F52890-1	UV028840.D2		10/04/07	MM	n/a	n/a	GUV1662

The QC reported here applies to the following samples:

Method: MADEP VPH

F52890-1

6.4  
6.5

CAS No.	Compound	F52890-1		Q	DUP ug/l	RPD	Limits
		ug/l	Q				
	C5- C8 Aliphatics (Unadj.)	875	1250		35*		
	C9- C12 Aliphatics (Unadj.)	696	856		21		
	C9- C10 Aromatics (Unadj.)	437	546		22		

CAS No.	Surrogate Recoveries	DUP	F52890-1	Limits
460-00-4	BFB	103%	106%	70-130%
460-00-4	BFB	99%	103%	70-130%



## GC Semi-volatiles

### QC Data Summaries



Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22632-MB	ZF25584.D	1	10/09/07	MG	10/04/07	OP22632	GZF1150

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52890-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	200	150	ug/l	
	C9-C18 Aliphatics	ND	200	200	ug/l	
	C19-C36 Aliphatics	ND	200	200	ug/l	

CAS No.	Surrogate Recoveries	Limits
3386-33-2	1-Chlorooctadecane	68%
580-13-2	2-Bromonaphthalene	60%
84-15-1	o-Terphenyl	37%* <sup>a</sup>
321-60-8	2-Fluorobiphenyl	50%

(a) Outside control limits.

## Method Blank Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22632-MB	ZF25632.D	1	10/11/07	MG	10/04/07	OP22632	GZF1152

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52890-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	200	150	ug/l	
	C9-C18 Aliphatics	ND	200	200	ug/l	
	C19-C36 Aliphatics	ND	200	200	ug/l	

CAS No. Surrogate Recoveries Limits

3386-33-2	1-Chlorooctadecane	32%* a	40-140%
580-13-2	2-Bromonaphthalene	61%	40-140%
84-15-1	o-Terphenyl	37%* a	40-140%
321-60-8	2-Fluorobiphenyl	44%	40-140%

(a) Outside control limits.

## Blank Spike Summary

Page 1 of 1

Job Number: F52890  
Account: SEINCR SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22632-BS	ZF25583.D	1	10/09/07	MG	10/04/07	OP22632	GZF1150

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52890-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
	C11-C22 Aromatics (Unadj.)	1700	927	55	40-140
	C9-C18 Aliphatics	600	547	91	40-140
	C19-C36 Aliphatics	800	804	101	40-140
CAS No.	Surrogate Recoveries	BSP	Limits		
3386-33-2	1-Chlorooctadecane	69%	40-140%		
580-13-2	2-Bromonaphthalene	77%	40-140%		
84-15-1	o-Terphenyl	44%	40-140%		
321-60-8	2-Fluorobiphenyl	51%	40-140%		

## Blank Spike Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22632-BS	ZF25631.D	1	10/11/07	MG	10/04/07	OP22632	GZF1152

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52890-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
	C11-C22 Aromatics (Unadj.)	1700	851	50	40-140
	C9-C18 Aliphatics	600	558	93	40-140
	C19-C36 Aliphatics	800	801	100	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
3386-33-2	1-Chlorooctadecane	71%	40-140%
580-13-2	2-Bromonaphthalene	70%	40-140%
84-15-1	o-Terphenyl	41%	40-140%
321-60-8	2-Fluorobiphenyl	47%	40-140%

7.2

7

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F52890

Account: SEINCR SEI Environmental-Raleigh

Project: Pantry 3948; Statesville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22632-MS	ZF25636.D	1	10/11/07	MG	10/04/07	OP22632	GZF1152
OP22632-MSD	ZF25637.D	1	10/11/07	MG	10/04/07	OP22632	GZF1152
F52891-1 <sup>a</sup>	ZF25635.D	1	10/11/07	MG	10/04/07	OP22632	GZF1152

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F52890-1

CAS No.	Compound	F52891-1		Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
		ug/l	Q							
	C11-C22 Aromatics (Unadj.)	160	J	3330	1710	46	2250	63	27	40-140/50
	C9-C18 Aliphatics	194		1180	1570	117	1130	80	33	40-140/50
	C19-C36 Aliphatics	ND		1570	1720	110	1550	99	10	40-140/50
CAS No.	Surrogate Recoveries	MS		MSD		F52891-1		Limits		
3386-33-2	1-Chlorooctadecane	103%		70%		59%		40-140%		
580-13-2	2-Bromonaphthalene	41%		56%		72%		40-140%		
84-15-1	o-Terphenyl	44%		64%		56%		40-140%		
321-60-8	2-Fluorobiphenyl	49%		62%		58%		40-140%		

(a) Associated MB surrogate recovery outside of control limits. Insufficient sample to re-extract.



IT'S ALL IN THE CHEMISTRY

## Metals Analysis

### QC Data Summaries



Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: F52890  
Account: SEINCR - SEI Environmental-Raleigh  
Project: Pantry 3948; Statesville, NC

QC Batch ID: MP13036  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date: 09/28/07

Metal	RL	IDL	MB raw	final
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Aluminum	200	48		
Antimony	6.0	3.3		
Arsenic	10	3.7		
Barium	200	5		
Beryllium	4.0	1		
Cadmium	5.0	1		
Calcium	1000	100		
Chromium	10	.92		
Cobalt	50	1		
Copper	25	1.2		
Iron	300	14		
Lead	5.0	2.1	-0.79	<5.0
Magnesium	5000	100		
Manganese	15	1		
Molybdenum	50	1.2		
Nickel	40	1		
Potassium	10000	100		
Selenium	10	4		
Silver	10	.77		
Sodium	10000	500		
Thallium	10	5.6		
Tin	50	2.4		
Vanadium	50	1		
Zinc	20	5		

Associated samples MP13036: F52890-1

Results < IDL are shown as zero for calculation purposes  
(\*) Outside of QC limits  
(anr) Analyte not requested

## MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F52890  
 Account: SEINCR - SEI Environmental-Raleigh  
 Project: Pantry 3948; Statesville, NC

QC Batch ID: MP13036  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/28/07                          09/28/07

Metal	F52890-1 Original DUP	RPD	QC Limits	F52890-1 Original MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	0.0	0.0	NC	0-20	0.0	446	500
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Thallium							
Tin							
Vanadium							
Zinc							

Associated samples MP13036: F52890-1

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

8.1.2  
8

## SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F52890  
 Account: SEINCR - SEI Environmental-Raleigh  
 Project: Pantry 3948; Statesville, NC

QC Batch ID: MP13036  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/28/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
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Aluminum  
 Antimony  
 Arsenic  
 Barium  
 Beryllium  
 Cadmium  
 Calcium  
 Chromium  
 Cobalt  
 Copper  
 Iron  
 Lead 491 500 98.2 80-120  
 Magnesium  
 Manganese  
 Molybdenum  
 Nickel  
 Potassium  
 Selenium  
 Silver  
 Sodium  
 Thallium  
 Tin  
 Vanadium  
 Zinc

Associated samples MP13036: F52890-1

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

8.1.3  
 8

## SERIAL DILUTION RESULTS SUMMARY

Login Number: F52890  
 Account: SEINCR - SEI Environmental-Raleigh  
 Project: Pantry 3948; Statesville, NC

QC Batch ID: MP13036  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/28/07

Metal	F52890-1 Original	SDL 1:5	RPD	QC Limits
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Aluminum  
 Antimony  
 Arsenic  
 Barium  
 Beryllium  
 Cadmium  
 Calcium  
 Chromium  
 Cobalt  
 Copper  
 Iron  
 Lead 0.00 0.00 NC 0-10  
 Magnesium  
 Manganese  
 Molybdenum  
 Nickel  
 Potassium  
 Selenium  
 Silver  
 Sodium  
 Thallium  
 Tin  
 Vanadium  
 Zinc

Associated samples MP13036: F52890-1

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

8.1.4  
 8